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NEW YORK CITY PILOTS AUTOMATIC TELEPHONE WEATHER ANSWERING SERVICE (PATWAS) TEST, VOLUME II

Frank Staiano

Ephraim Shochet



OCTOBER 1977



FINAL REPORT

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An improved Pilots Automati	c lelephone wea	ther Answerin	g Service (PATWA	
subjected to a year-long te	st in the New Y	ork City metr	opolitan area.	The improve-
ments consisted primarily o	t the following	g: (1) user ac	cess to three ro	ute-oriented
briefings, (2) an increase	in the number of	of access line	s to PATWAS, (3)	more frequent
updating of information, (4) the addition	of special ear	rly morning reco	rdings,
(5) capability to request m	eteorological <i>a</i>	nd aeronautic	al information f	rom the
Weather Message Switching C	enter for incor	poration into	the PATWAS mess	age,
(6) reduction in the time re	equired for upd	ating, (7) add	dition of more m	eteorological
and aeronautical information	n to the PATWAS	message, (8)	new and more ef	ficient
magnetic tape equipment, (9) installation	of an acoustic	enclosure for	PATWAS tape
recording, and (10) more ef	ficient organiz	ation of the	message format.	
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The purpose of the experimen	nt was to test	and evaluate	the new PATWAS p	roducts.
schedules, user acceptance,	and the effect	s on the tele	phone briefing w	orkload at
the flight service station	(FSS).			
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In addition, the test permi	tted the cathor	ing of technic	nal performance	data which
could serve as the basis for				
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disseminates more weather in				
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PREFACE

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Dr. Shiu-Ming Cheung, ANA-553, for the valuable assistance in providing the required programming support.

The Data Preparation Section, ANA-245, for their valuable assistance in providing the required programming support.

The Printing and Distribution Section, ANA-524, for the expeditious printing and mailing of the PATWAS materials.

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Acknowledgement is given to Mr. Edward Gross of the National Weather Service Headquarters for his important contribution and encouragement in the conceptual development of the test and to personnel of the National Weather Service, who not only made the experiment possible, but along with FAA personnel, assisted in conducting the test.

The professional skill of Mr. Edward Morin of the National Weather Service at La Guardia Airport is gratefully acknowledged. Mr. Morin and members of his staff helped to develop the product design and schedule and were responsible for providing the required manpower on a day-to-day basis for accomplishing the operational aspects of the test.

Acknowledgement is given to Mr. John Vandenberg of Lockheed Electronics Corporation who accomplished the test design and the analysis of data.



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INTRODUCTION

OBJECTIVE.

As part of the Near Term Flight Service Station Improvement Program, the Federal Aviation Administration (FAA), in conjunction with the National Weather Service (NWS), conducted a controlled experiment known as the New York City (NYC) Pilots Automatic Telephone Weather Answering Service (PATWAS) Test. The purpose of the experiment was to test and evaluate new PATWAS products, schedules, user acceptance, the effects on the telephone briefing workload at the flight service station (FSS), and to gather technical performance data.

BACKGROUND.

Prime responsibility for conducting and financing the NYC PATWAS test was assigned to the FSS Branch (ARD-440) of the FAA. With technical support from the FAA's National Aviation Facilities Experimental Center (NAFEC), ARD-440 was responsible for the following:

- 1. Design, procurement, and installation of system equipment.
- 2. Development of a test plan delineating the method of data collection, analysis, and interpretation of the results obtained.
- 3. Cooperation with the NWS to assist in the definition of procedures, products, and schedules for the test.

The NWS was responsible for the following:

- 1. Detailed operational aspects.
- 2. Weather product design and scheduling.
- 3. Manpower required to develop the necessary products and text.
- 4. The manual preparation of the recordings.

The rapid growth in general aviation has made it necessary to improve and expand the present system for disseminating aviation weather information to the flying public. It is apparent that the projected growth of the flying public will give rise to a corresponding increase in the demand for preflight weather briefings. One of the most effective techniques currently being utilized to disseminate aviation weather information is the telephone-accessed prerecorded PATWAS. The purpose of PATWAS is to provide aviation users with weather information for preflight planning.

Operational since July 1975, a trial PATWAS system in the NYC area provides telephone access to three tailored independent recordings at three different phone numbers. One phone number provides the local New York area (50 nautical mile (nmi) radius) conditions. Briefing information for routes northbound is available at a second number. The third number provides pertinent information for routes south and westbound. Selected Notice to Airmen (NOTAM's) which affect flight safety or the use of aeronautical facilities are appended to the appropriate recordings. The number of access lines was increased to virtually eliminate busy signals. Other improvements included new magnetic tape equipment, expanded message content, improved message format, more frequent updating of information, and reduction in the time required for updating. In order to meet the pilot's need for current weather information in the early hours, presumably when he is doing his flight planning, two special early morning recordings were developed in addition to those prepared in the morning, afternoon, and evening. All messages were updated hourly, and if conditions demanded, more frequently. The new system contained the capability to request meteorological and aeronautical information from the Weather Message Switching Center (WMSC) for incorporation into the PATWAS message.

The trial PATWAS provides the following information:

- 1. Flight precautions,
- 2. Winds aloft,
- 3. Synopsis,
- 4. Area or route forecasts,
- 5. Terminal forecasts,
- 6. Hourly observations from selected locations, and
- 7. NOTAM's pertaining to flight safety or the use of aeronautical facilities at these locations.

Prior to the installation of the trial PATWAS, the only PATWAS service provided in the NYC metropolitan area was that offered by the La Guardia Weather Service Office (LGA WSO). This basic PATWAS system provided a two-line access for calls originating in the local area (toll-free) and "message unit" toll calls from other areas on Long Island. In addition, a foreign exchange line provided toll-free access to the same announcement from the Teterboro, New Jersey, area. These services remained operational during trial PATWAS testing.

The content of the basic PATWAS message was limited to a generalized forecast for New York City and vicinity and a synopsis report. No route information was provided, nor hourly weather, specific flight precautions, terminal forecasts, or NOTAM's. AIRMET's were not specific. The message contained only general information on wind. No specific heights were included. Recordings were updated three times a day.

Initially, pilots learned of the availability of the new trial PATWAS through the basic PATWAS recording, which also remained operational throughout the testing period. (The terms "basic" and "trial" PATWAS have been used in lieu of "old" and "new" PATWAS, since the terms "old" and "new" are prejudicial.)

The trial PATWAS was evaluated in a number of ways as shown in table 1-1. One of the principal methods of evaluation consisted of a questionnaire that was mailed to all pilots registered with the General Aviation District Offices (GADO's) in Farmingdale, New York, and Teterboro, New Jersey (table 1-2). Approximately 26,000 pilots received the questionnaire. The questionnaire was designed to measure the degree in which the trial PATWAS satisfied the flight planning needs of the respondents and to determine if it constituted a significant improvement over the basic PATWAS. Appropriate follow-up efforts were made to obtain an input from nonrespondents to the primary questionnaire. In addition, a supplemental survey of 3,152 volunteer pilots was taken to measure pilot reaction to the trial PATWAS after recurrent use of the system. It was hypothesized that the supplemental survey would provide weightier opinions on the acceptability and effectiveness of the trial PATWAS.

The test procedures and time periods during which they occurred are listed in table 1-3.

TABLE 1-1. SUMMARY OF DATA COLLECTION METHODS

	Syst	tem Response	Source of Data		What the Data are		
No.	Туре	Method of Measuring	Organization	Procedure	Expected to Show	Comment	
1	User Acceptance			Counter on phone lines	Increased number of calls indicates pi- lot acceptance since they are actually using the system more	Long term trend in demand, seasonal, and weather varia- tions must be taken into account	
2	User Acceptance, FSS work- load	No. briefings given per month (Objective)	F.S.S. Supervisors and Briefers	Monthly re- cord of briefings given	Decrease in number of briefings	Same as above	
3	User Acceptance	Questionnaire sent by FAA (i.e., pilot opinion) (Subjective)	NAFEC contact pilots	Mailed questionnaire	Pilot reactions to trial as compared with basic PATWAS, judgement of ac- ceptability of various aspects		
4	User Acceptance	Post-Flight Con- tact with Stratified Sample (Subjective)	NAFEC contact pilots	Phone and mail con- tact with selected sample of pilots	Superiority of trial PATWAS as compared with basic; accepta- bility of changes in content, form, or format, and schedule		
5	System Line Loading	Time on line after contact (Objective)	NAFEC	Print-out from timer on line	Whether or not "barge-in" is trouplesome	Comparison of time on line with actual message length reveals extent to which requester listens to more than one cycle of message	
6	WSO work- load	Workload changes (Subjective)	W.S.O. Supervisors and Operators, PATWAS test personnel	Workload determined from super- visory judg- ment, opera- tor opinion, and observa- tions by test personnel	One operator can handle workload so that there is no increase in per- sonnel required to operate trial PATWAS		
7	Equipment/ procedural adequacy	Direct observation (Subjective)	NWS Supervisors and Operators, PATWAS test personnel	Expert opin- ion and operator judgement	Nature of changes (if any) required in equipment and/ or procedures		

TABLE 1-2. COUNTIES OF RESIDENCE AND AIRPORTS INCLUDED IN NYC PATWAS TEST

Counties of Residence*

New Jersey	New York
Passaic	Queens
Hunterdon	Manhattan
Hudson	Brooklyn
Bergen	Nassau
Middlesex	Bronx
Morris	Richmond
Somerset	Westcheste
Essex	Orange
Union	Suffolk
Sussex	Sullivan
Mercer	Rockland
Monmouth	Putnam
	Dutchess
	Ulster

Airports**

Morristown	La Guardia
Teterboro	J. F. Kennedy
Newark	Farmingdale
	Islip
	White Plains

^{*}Included all personnel registered with the General Aviation District Office (GADO) at Farmingdale and Teterboro.

^{**}Includes NYC area airports with FAA control towers.

TABLE 1-3. TEST PROCEDURES AND AFFECTED TIME PERIODS

Time Per		
Starting	Ending	Test Procedure
Prior to	April 1975	Planning and Design
April 1975	May 1975	Equipment procurement
June 1975	July 1975	Equipment installation and checkout
July 24, 1975	to present	Equipment operational
August 1975	July 1976	Gather 12-month period of data for the following activities: PATWAS, FSS/WSO briefings, itinerant aircraft departures
November 1975	December 1975	Distribute announcements of test and descriptive material
May 1976	June 1976	Initial distibution of questionnaire
August 1976	September 1976	Follow-up distribution of questionnaire
August 1976	August 1976	Distribution of supplementary evaluative material
During Nove	mber 1976	Telephone contact with selected nonrespondents
April 1976	October 1976	Determination of PATWAS message length, user time on line, and weather day
	November 30, 1976	Date data collection ended.

PATWAS CONTACTS, FSS/WSO BRIEFINGS, AND AIRCRAFT OPERATIONS

This section contains the detailed material upon which the volume I section entitled PATWAS CONTACTS AND FSS/WSO BRIEFINGS is based. The information presented reflects the summation of various categories of FAA/WSO data and the aircraft operations data for the eight airports: Newark, Morristown, Teterboro, Farmingdale, White Plains, Islip, JFK, and La Guardia. The detail is presented here to facilitate a replication of the analysis and interpretation of the data presented in volume I.

The table 2-1 data for 1971 were derived, since only the total for the year was available. January 1970 was also derived, since the actual value was unavailable. The method employed to obtain the missing values by interpolation from known data was developed from a discussion in Winer, "Statistical Principles in Experimental Design," McGraw-Hill, 1962, pp. 281-283. Myers, "Fundamentals of Experimental Design," Allyn and Bacon, 2nd ed., 1972, p. 171 and Goulden "Methods of Statistical Analysis," Wiley, 2nd ed., 1952, p. 318 also discuss methods of dealing with missing data. Although the source was not employed in this instance, Finn's "A General Model for Multivariate Analysis," Holt, Rinehart & Winston, 1974, practice of estimating missing data points without specific comment regarding methodology testifies to the general acceptability of this device for enhancing the value of a body of data.

TABLE 2-1. NUMBER OF BASIC PATWAS CONTACTS

August September	2,621 2,425	(2,960) (2,764)	2,723	4,331 3,621	4,068	2,961	_
July	3,409	(3,323)	3,300	4,613	3,926	4,516	1,359
April May June	2,528 2,723 2,888	(2,687) (2,940) (3,554)	2,809 2,868 4,492	3,469 4,490 4,958	3,571 3,526 4,182	4,066 4,177 4,754	1,222 1,507 1,745
January February March	(2,607)* 2,523 2,817	(2,856) (2,978) (3,046)	3,965 4,101 3,498	3,275 3,632 4,097	3,279 3,499 4,029	3,990 3,665 3,844	1,466 1,146 1,329
Month	1970	1971	1972	1973	1974	1975	1976

Trial PATWAS Activation

TABLE 2-2. NUMBER OF LA GUARDIA TELEPHONE PILOT BRIEFINGS

		Before	PATWAS Activ		ter
December	2,106	1,585	1,520	1,281	-
November	1,860	1,665	1,637	1,382	-
October	1,664	1,662	1,381	1,446	_
September	1,947	1,750	1,816	1,476	-
August	1,648	2,248	2,364	1,824	
July	1,978	2,358	2,017	2,270	1,72
June	2,344	2,687	2,320	2,177	1,69
May	1,614	2,257	1,972	1,896	1,44
April	1,467	1,744	1,729	1,425	1,12
March		1,660	1,853	1,554	1,36
February		1,438	1,626	1,362	1,03
January	-	1,354	1,712	1,606	1,23
	1972	1973	1974	1975	197
Month	•		Year		

TABLE 2-3. NUMBER OF LA GUARDIA PERSONAL PILOT BRIEFINGS

Month				Year			
	1970	1971	1972	1973	1974	1975	1976
January	_	757	722	582	768	576	565
February	-	766	777	604	618	535	465
March	-	845	876	669	622	466	645
April	<u>-</u>	711	659	549	606	493	466
May	-	815	677	633	752	569	544
June	-	883	859	725	692	623	642
July	736	786	568	427	508	505	463
August	626	736	704	468	546	444	_
September	822	753	627	511	519	526	-
October	854	741	632	613	509	544	_
November	715	728	603	630	610	542	-
December	753	895	783	718	595	540	_
			Before			A	fter

Trial PATWAS Activation

TABLE 2-4. NUMBER OF ISLIP PILOT BRIEFINGS

Month			Year		
Honen	1972	1973	1974	1975	1976
January	16,775	14,895	14,126	11,617	10,970
February	15,024	15,060	14,209	10,286	9,920
March	14,975	17,244	16,507	11,488	13,175
April	17,959	17,392	15,438	11,793	13,759
May	19,160	18,445	15,567	14,812	15,508
June	20,112	19,848	16,042	17,803	16,602
July	18,861	20,278	16,378	16,999	18,391
August	18,602	21,090	15,523	14,740	-
September	17,325	15,496	14,357	12,824	-
October	15,720	14,320	13,244	13,446	
November	17,294	13,664	11,959	12,551	-
December	16,163	12,618	12,758	14,333	-
		Before		2	fter

Trial PATWAS Activation

TABLE 2-5. NUMBER OF TETERBORO PILOT BRIEFINGS

			Before			Af	ter
December	11,602	11,649	11,884	11,539	11,884	11,568	-
November	13,368	12,533	12,125	13,106	12,477	12,505	-
October	14,656	15,270	12,132	13,260	13,092	11,962	_
September	13,560	14,987	12,998	13,470	14,855	11,458	-
August	14,688	14,153	13,359	16,000	16,057	12,694	-
July	16,511	14,844	15,851	15,895	14,878	13,847	14,47
June	15,968	14,447	17,138	16,317	16,969	15,042	13,92
May	16,322	13,239	13,057	14,784	14,889	14,333	13,07
April	13,414	11,732	11,108	11,775	13,317	12,468	11,13
March	14,951	12,137	12,649	12,651	14,375	13,126	12,24
February	11,791	10,802	10,238	11,012	11,245	11,412	9,99
January	11,440	10,668	11,447	10,593	12,340	12,068	10,23
	1970	1971	1972	1973	1974	1975	197
Month				Year			

Trial PATWAS Activation

						The second second
TABLE	2-6.	NUMBER	OF	TRIAL.	PATWAS	CONTACTS

Month			Year		
Month	 -	_		 1975	1976
January				_	14,724
February				_	11,883
March				- I	12,59
April				resolu-	10,95
May				-	12,65
June				-	16,54
July				1,148	15,03
August				6,101	-
September				5,312	-
October				5,668	04 100 <u>0</u> 7
November				5,535	-
December				19,365	_

TABLE 2-7. GENERAL AVIATION ITINERANT OPERATIONS EWR, MMU, TEB, FRG, HPN, ISP, JFK, LGA

Month	1970	1971	1972	<u>1973</u>	1974	<u>1975</u>	1976
January	51,252	49,637	48,549	56,784	46,235	49,087	46,546
February	50,991	47,237	38,444	50,652	45,030	49,948	52,784
March	61,979	57,744	52,607	51,671	53,367	57,181	59,293
April	66,213	65,853	60,182	59,330	64,653	64,265	65,483
May	69,422	66,674	61,308	62,778	66,914	68,434	66,945
June	69,147	74,294	53,248	57,479	63,620	64,772	66,987
July	64,597	73,511	65,391	68,089	72,622	67,058	
August	72,004	74,043	68,970	63,608	67,234	67,334	
September	63,511	62,121	56,712	66,477	61,468	62,712	
October	63,174	63,081	65,217	69,574	74,275	70,231	
November	55,363	58,229	53,384	59,113	60,004	66,600	
December	46,624	52,535	36,866	46,329	51,289	52,038	
TOTAL	734,277	744,959	660,878	711,884	726,711	739,660	358,038

MULTIVARIATE ANALYSIS OF VARIANCE (QUESTION 10--COMPARISON BETWEEN BASIC PATWAS AND TRIAL PATWAS)

This section contains the results of the multivariate analysis of variance of question 10 using the responses from the initial and follow-up returns. The highlights of the findings are presented in the volume I section entitled PILOT SURVEY.

UNIVARIATE AND MULTIVARIATE ANALYSIS CF VARIANCE. COVARIANCE. AND REGRESSION

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CELL IDENTIFICATION AND FREGUENCIES

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	3.754386	3.425825	3.517544	3.567719	3 447 349	3 350077	2.21395	3.130233	3.106977	3.232558
	3.515152	3.212121	3.519152	3.646465	7.272727	2 02020 2	2,28275	3.254386	3.201754	3.421053
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	3.750000	3.214286	3.676571	3-750000	3.423:71	3 500000	2 52 36 36	3. 5000000	3.500000	3.727273
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	3.741379	3.413753	3.560345	3.472414	3-668374	3 65 6 907	297402-2	3. 0714 29	3.112245	3.244898
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CPSERVED CELL MEANS --- ROWS ARE CELLS-COLUMNS ARE VARIABLES

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000000 05864 55556	3.225.54	3.200000	00000	000000	2000	-			
55556	3.235.594		3.200.000	3 300 300	3.400000	2.90000	2. 900000	3.000000	3.100000
55556		3,176471	3-156863	3.156863	3.078431	3.398339	3.196078	3.058824	3.156863
	3.466667	3.64444	3.600000	3.486889	3. 555556	3.222222	3.222222	3.333333	3.422222
	OBSE	RVED CELL	HEANS R	CHS ARE CELL	S-COLUMNS	ORSFRVED CELL MEANS PCMS ARE CELLS-CCLUMNS ARE VARIABLES	S		
								,	
AMTNFO	ACCAFO	SUPDEC	SATERF	CRONFO	MESLEN	CUALVY	AMT NY 2	SPKGRA	PMPCON
3.525412	3.235254	3.294118	3.588235	3.470588	3.411765	3.411765	3,411765	3,352941	3, 235294
962961	3.566600	3.625630	3. 740741	3.407407	3.666667	3.518519	3.481481	3.351852	3.592593
.307692	3.230769	3.461538	3.307652	3.236769	3.153846	153846	3. 15 3846	3.153846	2.961538
1.076923	3.(76523	3.384615	3.230769	3.461538	3.153846	3.153846	3.00000	3.307692	3.076923
714284	3 462657	2 357163	3.565716	3.20000	3.500000	3.500000	3 62567	3.785714	3 - 500000
500000	2.00000	1.50000	1.50000	2.000000	1.500000	0000000	3.000000	3.000000	3.500000
000000	4.000000	4.000000	4.000000	4.000000	4. 000000	4.000000	4.000000	4.000000	4.000000
1.750000	3.250000	3.000000	3.750000	2.500000	2.500000	2.250000	3.000000	2.000000	3.500000
. 88888	3.666667	3.8PER85	3. FFP889	3.44444	3.222222	3,333333	3.666667	3.22222	3.666667
3.636364	3.272727	2.818182	3.181818	3.000000	3.181818	3.454545	3. 363636	3.454545	3.454545
4. 000000	3.750000	4.000000	4.000000	3.750000	3.750000	3.500000	3. 500000	3.500000	3.500000
4.00000	000003.	3.150000	4. CC0000	3.50000	3.750000	3-750000	3.530330	3.500000	3.750000
716296	3.250000	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 755714	3.500000	3.571429	2.500000	3. 250000	3.285714	3. 714.286
800000	3.550000	3.600000	3.750000	3.500303	3. 500000	3.450000	3.550000	3.400000	3.250000
4.00000C	3.750000	4.000000	3.750000	3.500300	3.000000	2.500000	2.500000	2.500030	3. 000000
1.714786	3.426571	3.357143	3.657143	3.428571	3.957143	3.142857	3.000000	3.000000	3.285714
.00000.	3.000000	3.000000	3.000000	3.000000	3.00000	3.000000	3.000000	3.000000	3.000000
1.625000	3.375000	3.375000	3.500000	3.250000	3.625000	3.625000	3. 625000	3.500000	3.500000
- BC000C	3.400000	3.700000	3.560303	3.660333	3.433333	2.400000	3.630000	3.300000	3.200000
.000000	4.000000	4.303000	4.000000	2.750300	3.250003	3.250000	3.000000	2.750000	3.500000
. 8 3 3 3 3	3.000000	3 105663	3.666667	3.333333	3.416667	2.416667	3.250000	3.250000	3.166667
500000	3.000000	3-000000	3.214286	2.071429	3.660000	2.071429	3.00000	2-714286	3. 257143
.646667	7.466667	3.666667	3. 833333	3.333333	3.333333	3.503303	3.500000	2.833333	3.500000
1.72333	3.73333	3.666667	3.800000	3.533333	3,533333	3,333333	3.266667	3.366667	3,333333
0000000	2.000000	3.500000	4.000000	3.500000	3.500000	3.000000	3.000000	3.500000	3. 000000
4.000000	7.22223	2.37333	4. ((((0)	3, 333333	3.33333	3.333303	3,33333	3.000000	3. 233333
.800000	2.600000	3.600000	3.80000	2.80000	3. R00003	2.600000	3. 400000	3.400000	3.600000
. H5/144	3.285714	3.478571	4.00000	3.571429	3.114780	P1 (627.	\$11207.5	3.00000	3 20 30 51
730000	20000	3.5757.4	3.652508	3.53333	3 451143	01+067-5	3 34 88 37	3 325531	3.558140
000000	2.636462	2.538462	3.765231	2.615385	3.692308	2.769231	3.536462	3.384615	3. (15385
.794521	3.497151	2-616436	3.753425	3.561644	3.616433	3.397260	3.260274	3.301370	3.452055
. 500000	2.500000	3.000000	3.00000	3.000000	2.500303	3.500000	3.500000	3.500000	3.500000
6,000000	4.000000	4.00000	4. 000000	4.000033	4.000333	4.00000	4.333033	4.300333	4.000000
.7P9474	3.216526	3.421053	3.842105	3.368421	3.631579	3.473684	3.421053	3.315789	3.368421
1.681818	4.590509	3.681818	3.636364	3.403091	3.636364	2,318182	3.272727	3.363636	3. 090909
.625333	3.125300	22500	0,000	1 36 7 3	1 1 1 1				
		2000	20 67 2000	2.20222	2000000	0000000	3.50000	2000	00000

######################################		*****				2	
0.00000   0.00000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.0000000   0.0000000   0.000000   0.000000   0.000000   0.0000000   0.000000   0.000000   0.000000	1	4121	- TCC MP	USFNFC	RESPND	CLRPIC	DANKO
000000	1.83333	3.666667	3.666667	3.500000	3.666667	3-666667	7-166667
0000000 3-5C00C00 3-5C0CC0 4-CC0000 4-C000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 2-0000000 3-CCCC00 3-CCC000 3-CC0000	0.0	0.0	0.0	0.0	0-0	0-0	
000000 4.000000 3.500000 4.000000 2.6000000 2.6000000 0.000000 0.000000 0.000000 0.000000	3.000000	3.000000	3.500000	3. 500000	4.660000	4.00030	2.500100
000000 2.CCCCCC 3.CCC000 2.CCC000 2.000000 2.000000 2.000000 3.CCC0000 4.000000 2.0CC0000 4.000000 3.CCC000 3.CCC000 3.CCC000 3.CCC0000 4.000000 3.CCC000 3.CCC0000 3.CCC000 3.CCC000 3.CCC000 3.CCC000 3.CCC000 3.CCC000 3.CCC0000 3.CCC000	4.000000	4.000000	3.500000	4.550300	4.00000	3. 500003	2000
A	2.000000	2.000000	2.00000	2.00000	2.000000	2.00000	200000
COURTOON	2.600103	2.AGCG00	2.600000	2.800000	2-600000	2.800000	20000
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	3.000000	3.00000	4.000000	4.000000		4.00000	00000
COURT   COUR	4.000000	4.000000	3.000000	4. 000000	4.00000	4.0000	20000
### ### ### ### #### #################	2.000000	3.030000	2.300000	50000	000000	3,00000	00000
Control   Cont	4.000000	3.00000	2.000000	4.000000		200000	200000
### ### ### ### ### ### ### ### ### ##	₹.000000	3.036600	3.00000	3. (((00)	200000	20000	200000
### ### ### ### ### ### ### ### ### ##	3. AC0000	3.100000	3.90000	2,877.00	0000	000000	000001
00010) 3.40000 3.20000 3.60000 3.60000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.60000000000	3.466667	3.666667	4-00000	00000	200000	3 56 66 67	000001.5
100.000   3.20000   3.60000   3.60000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.6000000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.6000000   3.6000000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000   3.600000	3.200000	3.403600	3.260000	3.60000	000000	3 40 1111	4.0000C
ACCCCCC	3.400000	3.200000	3.6.00000	3.80000	00000	1 60000	00000
19.919.1   4.000000   4.0000000   4.000000000000	3.000000	3.00000	3.00000	3. ((0000	3.00000	200000	200000
1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999	4.100.133	4.000000	4.300000	4.00000	000000	00000	200000
1999   2-2000   2-2000   2-2000   2-40000   2-400000   2-400000   2-20000   2-20000   2-20000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-200000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-400000   2-4000000   2-4000000000000000000000000000000000000	4.00000	4.000000	4.000030	4.000000	4-000000	6.00000.4	20000
13333 3.250000 3.500000 2.233223 2.582323 3.416667 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.400000 2.400000 2.400000 2.400000 2.4000000 2.400000 2.400000 2.4000000 2.400000 2.4000000 2.4000000 2.4000000 2.4000000 2.4000000 2.4000000 2.4000000 2.4000000 2.40000000000	3.000000	3.00000	4.000000	4. 00000	4-360000	4.00000	200000
MANON   2.4CCCO	3.33333	3.250000	3.500000	2 22273	1.58777	7-416667	2.000.0
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	3.20000	2.400000	3.000000	3.200000	2-400000	2-400000	20000
	4.000033	3.33333	3,33333	3. 666667	3-665667	3-666667	2 33333
	3.571429	3.50000	3.500000	3.642657	2.714286	3.714286	1.142857
	3.181818	2,181818	3.090969	3.181818	3.343636	3.181818	7.272727
### ### ### ### ### ### ### ### ### ##	3.400303	3.403000	3.60000	4.000000	4.000000	3. 600000	3.200000
Manual   M	3. 166667	3.166667	3.166667	3.166667	3.166667	3.166667	2.000000
	2.500000	.5000	1.50000	2. ( ( 0 0 0 0 0	0.0	3.500333	2.303303
1.51678 3.479875 3.675439 3.551464 3.54360 3.3447875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477876 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.477875 3.4778775 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.4778777 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.4778777 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.4778777 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.4778777 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.477877 3.47777 3.47777 3.47777 3.477777 3.477777 3.47777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.477777 3.4	1. 181 195	3.167442	3.255814	3.469767	3-474419	3.400000	2.097674
1.151615 3.436286 3.515158 3.51758 3.484448 3 3.457154 3.434783 3.65562 3.661155 3.462666 2 7.666660 3.666000 3.666000 4.060000 4.000000 2 4.000000 3.666000 4.666000 4.060000 4.000000 2 3.55410 3.314615 3.47692 3.410256 3.435914 2 3.55410 3.37149 3.46595 3.410256 3.435914 2 3.55410 3.37149 3.871429 3.75000 3.75000 3.75000 3.435914 2 3.66600 3.27540 3.37149 3.41026 3.45000 3.20000 3.410000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.61000 3.610000 3.610000 3.610000 3.61000 3.610000 3.610000 3	1.543860	3.412281	3-429825	3-675439	3.551464	3.543960	3.184211
3.467254 3.444783 3.45462 3.461154 3.668694 4.000000 4.000000 3.500000 3.500000 4.000000 4.000000 3.500000 3.500000 3.500000 4.0000000 4.0000000 3.500000 3.500000 3.500000 3.500000 3.849595 3.390244 3.35897 3.371148 3.456735 3.37024 3.437697 3.371148 3.457693 3.410254 3.58797 3.37114187 3.64364 3.57692 3.56000 3.50000 3.775714 3.371149 3.877592 3.56000 3.50000 3.775714 3.50000 3.77584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57584 3.57587 3.50000 3.57587 3.50000 3.57587 3.56500 3.56500 3.56500 3.56500 3.56500 3.57577 3.50000 3.57577 3.50000 3.575777 3.50000 3.575777	3.515152	3.151615	3.363636	3.575758	3.575758	3.484848	3.390935
7.000000000000000000000000000000000000	1.666667	3.492154	3.434783	3.655652	3.681159	3.608696	3.057571
4.000503 2.000000 4.000503 4.000000 4.0000000 2.356410 3.371136 3.370692 3.410250 3.4256410 3.384615 3.370692 3.410250 3.459544 3.391149 3.371149 3.314645 3.370692 3.410250 3.45937 3.451114 3.371449 3.451459 3.451459 3.750300 4.00000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 3.751449 3.750300 3.451469 3.451469 3.4510000 3.20250 3.461000 3.20250 3.461000 3.20250 3.461000 3.20250 3.461000 3.20250 3.461000 3.20250 3.461000 3.20250 3.461000 3.20250 3.46250 3.46250 3.464545 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250 3.20250	2.00000	2.000000	3.000000	3.500000	3.500000	4.000000	50000
1.186557 3.211382 3.495535 3.395244 3.382114 2.256410 3.384615 3.456535 3.395244 3.382114 3.314782 3.46364 3.481618 3.425500 3.405997 3.31743 3.31429 4.681618 3.425000 3.785714 4.00000 4.000000 3.87142 3.306120 3.387755 3.405177 3.411034 3.679320 3.461206 3.287755 3.405177 3.411034 3.679326 3.40300 3.201010 3.122440 3.22240 3.879248 3.725608 3.201010 3.12000 3.272760 3.879248 3.346900 3.114286 2.577429 3.879248 3.361702 3.460000 3.114286 2.577142 3.18149 3.142857 3.46667 3.76667 3.76660 3.263333 3.6013010 2.8755010 2.988750 2.125000 2.218750 3.164260 3.363636 3.46485 3.26400 3.218750 3.2647379	4.000000	4.000000	3.000000	4.00000	4.000000	4. 1111100	2.000000
3.374415 3.374415 3.376492 3.410256 3.475897 3.475410 3.574410 3.64546 3.87692 3.410256 3.475897 3.575410 3.645364 3.67620 3.4759030 3.775714 3.371429 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.767142 3.775846 3.775846 3.775846 3.775846 3.775846 3.775846 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.775869 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.77587 3.75877 3.75877 3.758777 3.758777 3.758777	3. 398374	3.186552	3.211382	3.495935	3.393244	3. 382114	2.926829
3.516187 3.616364 3.611818 3.616364 3.590095 3.22727 3.5118187 3.616364 3.611818 3.616364 3.55000 3.755714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035714 3.035715 3.035714 3.035715 3.035714 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.035715 3.03	1.410256	3.256410	3.384615	3.307692	3.410256	3.435897	3.333303
4.016114 3.271429 3.871429 3.7500.00 3.785714 3.05971 4.000000000000000000000000000000000000	3.636364	7.18182	3.6 36 364	3.681818	3.636364	3.590909	3.227273
4-(CCCCC 4-(CCCC) 4-(CCCC) 4-(CCL)) 4-(CCC)) 4-(CCCC) 4-(CCL)) 4-(CCC) 4-(CCC)) 4-(CCC)) 4-(CCC)) 4-(CCC)) 4-(CCC) 4-(CCC)) 4-(CCC) 3-(CCC) 3-	1.677571	3.535714	3.321429	3.821429	3.750000	3.785714	3.035714
3.405102 3.401030 3.251043 3.351012 3.371755 2.3405103 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.31174266 3.401040 3.20103 3.401030 3.31174266 3.401040 3.50103 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030 3.401030	4. 000000	4.000000	4.000000	4.00000	4.000000	4.01011)	4.330333
3.405172 3.41034 3.679310 3.612069 3.577586 3.477586 3.4713030 3.202050 3.402050 3.527586 3.451050 3.402050 3.402050 3.402050 3.527596 3.658537 3.126205 3.272605 3.57566 3.575605 3.576050 3.576050 3.576050 3.576050 3.576050 3.576050 3.576050 3.576050 3.653333 3.602050 3.576050 3.76667 3.76050 3.653333 3.60250 2.76675 3.162590 2.766750 3.764765 3.376476 3.376476 3.376476 3.376476 3.376476 3.376476 3.376476 3.376476 3.376476 3.376477	06440	3.122449	3.255102	3. 257143	3.366122	3.387755	2.96938€
3.467263 3.467363 3.20303 3.403049 3.2737) 3.0000 3.467265 3.212766 3.879476 3.756058 3.658537 3.17073 3.120363 3.271276 3.7000 3.27000 3.50000 2.69000 3.714286 3.366467 3.366467 3.16287 2.71428 3.586667 3.366467 3.70000 2.63333 3.60000 2.90000 3.174478 3.16486 3.28571 3.16287 2.71428 3.586667 3.366467 3.70000 2.63333 3.60000 2.3333 3.174471 3.586835 3.87350 3.218750 3.62850 2.90625 3.23339 3.64766 2.176470 2.23339 3.64706 2.17647	1.670650	3.405172	3.431034	3.629310	3.612069	3.577586	3.129310
3.487665 3.292683 3.879268 3.756058 3.658537 3.17073 3.162600 3.272766 3.419149 3.351702 3.446900 2.89361 3.126000 3.270000 3.50000 3.446690 3.446690 3.1142667 3.14269 3.76714 3.142657 3.142657 3.866667 3.7666667 3.70000 3.21873 3.62530 2.3333 3.17647 3.586667 3.2500 3.218750 3.62530 2.90625 3.12670 3.454545 3.82826 3.38283 3.27777 3.27777	4.200000	4.430000	3.463033	3, 200003	3.430000	3.23333	2.300000
3.162803 3.712766 3.119149 3.351702 3.446809 2.89561 3.126003 3.20000 3.55000 3.560000 2.90000 3.114286 2.71429 3.185714 3.142857 3.142887 3.142887 3.88667 3.16667 3.78000 2.633333 3.603333 3.23333 3.787500 2.98750 2.12500 2.218750 3.62530 2.9025 3.17471 3.58735 3.28363 3.48363 3.27777 3.17647	1. 71707	3.487605	3.292683	3.829268	3.756058	3.658537	1.1
3.12C000 3.22C00C 3.2CCCC 3.5CCCC 3.30000 2.9C00 3.12G466 2.5T429 3.28574 3.14255 3.142557 2.17425 3.5G4667 3.466667 3.7C0CCO 2.63333 3.60303) 3.23333 3.16401 3.568750 3.125C00 3.218750 3.62530 2.90625 3.16401 3.567835 3.873523 3.647359 3.764766 2.17647 3.267636 3.454545 3.283626 3.362830 3.227727 3.27727	2.234043	3. (63630	3.212766	3,319149	3.361702	3.446809	-
3.714286 2.571429 3.285714 3.142257 3.142257 2.71422 3.584667 3.36667 3.70000 2.63333 3.60301) 2.23333 2.87500 2.988750 2.1550.0 2.218750 3.62500 2.90625 3.174471 3.488235 3.8873529 3.647059 3.764706 3.71747 3.363536 3.454545 3.283626 3.382836 3.272727 3.27272	3.400000	3.120003	3.220000	3.520000	2.500000	3.360000	2.900000
3.86667 3.766667 3.700CCJ 3.63333 3.60JJJ) 2.23333 7.8750JD 2.968750 2.125CJD 3.218750 3.6653JD 2.90625 3.176477 3.688735 3.827359 3.647059 3.74766 3.17647 3.367636 3.454545 3.283626 3.82838 3.27277 3.27777	3.714286	1.714284	2.571429	3.285714	3.142657	3.142857	₹.71428€
7-875000 2-968750 3-125000 3-218750 3-662500 2-90625 3-17647 3-17647 3-1678753 3-674765 3-764766 2-17647 3-367636 3-454545 3-86362 3-862630 3-22727 3-22727	3. 700000	3.586667	3.366667	3.700003	2.633333	3.603333	
3-363636 3-4548235 3-823529 3-647059 3-764706 3-363636 3-454545 3-263626 3-362635 3-272727	3.062500	2.875030	2.968750	2.125000	3.218750	3.062533	2.906250
3-303636 3-454545 3-263626 3-363630 3-272727	21.44.	3.176471	3.588235	3.823523	3.647059	3.764766	2.176471
	3.474745	3.363636	3.454545	3. 263636	3.363636	3.272727	3.272727

CRRETUED CELL MEANS --- ROLS AVE CELLS-COLUMNS AVE VARIABLES

1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,00	3.22171 3.181818 3.36600 3.00000 4.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.000	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	4.000000 3.227273 3.27273 3.27273 3.27273 3.37697 3.437500 3.437500 3.37500000 3.37500000000000000000000000000000000000	3.300003	
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3.500000 3.500000 3.500000 3.500000 3.500000 3.50000	3.400000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.6000000 3.600000 3.600000 3.600000 3.600000 3.600000 3.600000 3.60000000000	112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 112500 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Control   Cont	FORM 3.75CCG 3.75000 3.C00000 3.C00000 3.500000 3.500000 3.500000 3.500000 3.500000 3.500000 3.500000 4.C0CG00 3.500000 3.500000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.0000000 4.0000000 4.0000000 4.0000000 4.0000000 4.0000000 4.00000000	33333	3, 333333	2.333333	
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17 UNNFO

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AMTAY SPKGRA  AMTAY SPKGRA  0) 0.507300 0.492592  16 0.43640 0.704632  5 1.004635  00 0.493548 0.440214  14 0.77117 0.442214	GRONFO WESLEN CUALVY AMTAYZ SPKGRA G-624264 3.712287 3.537303 3.507303 3.492592 1.000345 0.614295 0.574316 0.63640 0.704632 0.951113 1.15598 0.890595 1.044606 0.880595 0.605225 3.667473 0.554730 0.493548 0.480384 0.83660 1.487343 0.447214 0.77177 0.447214	2.825427 2.171723 () 3.0 0.0 0.0 0.0 1.73251 1.914854 1.533333 3.812457 1.414214 0.725453 3.873333 (.7707107 0.503030 3.666667 1.24471 1.167743 (.5222223 0.504529 0.577350 0.523330 3.503333 (.506300 0.577353 0.577350
TAMENTAL SPECRA  TAMENTAL SPECRA  TO 0.507300 0.492592  TO 0.636640 0.706632  TO 0.693640 0.49384  TO 0.69384 0.49384  TO 0.613553 0.468807	GRONFO WESLEN CUALUY AMTNYZ SPKGRA G.624264 J.712287 J.537307 J.507303 J.492592 J.00C345 O.614295 C.574316 D.63640 D.704632 G.951113 I.155598 C.890555 I.64666 D.890559 G.951123 J.65599 C.890555 I.64666 D.890559 G.933660 J.497243 C.447214 C.77177 D.447214 D.497245 D.650444 C.518875 D.113553 D.468807	0.00 0.732251 1.914854 1.533333 J.812457 1.414214 0.722428 0.893333 C.707107 0.503030 0.666667 0.722428 0.893333 C.707107 0.503030 0.572333 0.52333 0.503333 C.73353 0.77353 0.577350 0.577350 0.577353 0.577350
AMTNY SPKGRA  30 0.507300 0.492552  30 0.492640 0.492552  31 C44666 0.8826552  30 0.493548 0.480384  31 0.707107 0.447214  31 0.707107 0.447214  31 0.0071353 0.408807	GRDNEG MESLEN CUALVY AMTNYZ SPKGRA G.624264 D.712287 D.557307 D.507300 D.492592 G.624264 D.712287 D.557307 D.507300 D.492592 G.653113 I.15587 G.880595 G.860559 G.660325 D.666737 G.85470 D.49348 D.460384 G.83660 I.48374 G.518679 G.47214 G.77127 Z.32847245 D.6567724 G.518679 D.49359 D.4081714	1.726/61 0.666/67 0.60000 0.666/67 0.726/61 0.666/67 0.726/61 0.67744 0.522222 0.666/52 0.652233 0.577350 0.577350 0.577350 0.577350 0.577350 0.577350
AMTNY SPKGRA  TO 5.507303 0.492592  TO 6.6660 0.8829592  TO 6.493548 0.480384  TO 6.71077 0.447214  TO 6.13553 0.488807	5 MESLEN CUALVY AMTNY SPKGRA  0.624264  0.712287  0.507301  0.507301  0.492592  1.020345  0.614255  0.574316  0.43640  0.704632  1.020345  0.614255  0.574316  0.43640  0.704632  0.60325  0.64724  0.554700  0.493548  0.480384  0.880660  1.48374  0.554700  0.493548  0.447214  0.880660  1.48374  0.554700  0.47214  0.880675  0.650444  0.518875  0.513553  0.447214  0.90000000000000000000000000000000000	6.772471 1.70774 (5.52222 6.56452) 0.522233 6.56452) 0.577350 6.52233 6.567735) 0.577350 6.5277350 0.577350 6.577350
AMTNY SPKGRA  207 3,5073.00 0,492592  16 0,43640 0,704632  5 1,64666 0,880555  10 0,493548 0,480384  14 0,135959 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0  20 0,0	GRONFO WESLEY CUALVY AMTNYZ SPKGRA  0.624264 J.712287 J.53730J J.50730J J.492592  1.006349 0.614254 C.554316 0.43640 0.704632  0.951113 1.155598 C.880555 1.64666 0.880555  0.836660 1.49374J C.447214 C.77167 0.49348  0.493245 0.650444 C.518874 0.43348  0.497245 0.650444 C.518874 0.613543 J.46807  0.00 0.00  0.00 0.00  1.72251 1.711723 C.00  0.00 0.00  1.72251 1.7114854 (.5513) J.814457 1.414214	6.50000 0.50000 0.50000 0.577350 0.577350 0.577350 0.500000 0.577350 0.577350 0.500000 0.577350
9 AMTRY SPKGRA  00 0.5073.00 0.492592  10 0.483640 0.704632  55 1.64666 0.880595  10 0.493548 0.480384  11 0.513553 0.466807  12 0.513553 0.466807  13 0.8816457 1.414214  0.500.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0.00 0.00  0	GROWFG WESLEN CUALVY AMTNYZ SPKGRA G.624264 J.712287 J.537307 J.537303 J.492592 J.002345 J.614255 C.8574316 J.63640 J.704632 J.002345 J.614255 C.8574316 J.63640 J.704632 J.002345 J.614255 C.8574316 J.646632 J.647245 J.68737 J.657707 J.69348 J.468807 Z.826427 Z.12172 J.607107 J.907107 J.606067 J.73251 J.914854 J.53232 J.812457 J.414214 J.73251 J.617343 C.527223 J.606467	04877350 04817750 0.500000 0.5177350 0.5177350
AMTRYZ SPKGRA  0.0 0.50130.0 0.492592  1.0 0.693640 0.706632  1.0 0.693548 0.406384  1.0 0.512559 0.447214  1.0 0.102599 0.000  1.0 0.102599 0.0000  1.0 0.102599 0.0000  1.0 0.00000 0.6666667  1.0 0.00000 0.6666667  1.0 0.00000 0.6666667  1.0 0.00000 0.6666667  1.0 0.00000 0.6666667  1.0 0.00000 0.6666667  1.0 0.000000 0.6666667  1.0 0.000000 0.6666667	GRONFO HESLEN CUALVY AMTNYZ SPKGRA  G.624264 J.712287 J.537307 J.507300 J.492592  J.000345 O.614264 C.514316 D.43640 O.704632  J.000345 O.614264 C.514316 D.493648 O.880559  G.650225 J.68724 C.518714 C.77107 O.447214  G.836660 J.48724 C.51877 C.51877 J.46807  G.836660 J.68724 C.51877 C.51877 J.46807  G.836660 J.68724 C.51877 C.51877 J.46807  G.900 J.712281 J.714854 J.597737 J.814214  G.724781 J.714854 G.522223 J.80030 J.5066667  G.72648 J.897333 C.707107 J.500300 J.5066667  G.724781 J.67444 G.522223 J.57735 J.5773	

0.500003	0.468807	1, 251315	2.000000	0.726273	0.0	0.534522	0.788811	0.577350	0.717741	1.437420	1.081818	0.547723	0.487950	0.0	0.577350	3.894427	0.899735	0.646803	0.825265	0.506370	0.553802	0.707107	0.0	0.683986	0.750180	0.516398	0.605449	1.000000	
0.577350	0.468807	0.502625	1.732051	0.554700	0.0	0.534522	0.674949	0.500000	0.621582	1.159995	1.204388	0.408248	0.961150	0.707107	0.0	3.547723	0.816497	0.614709	0.778205	0.506370	0.544797	0.707107	0.0	1.002520	0.581087	0.5 30000	0.769972	0.577350	
0.500000	0.646206	0.510418	1.732051	0.554700	0.0	0.517549	0.516398	0.0	0.621582	1.371989	1.337749	0.547723	0.457738	0.0	0.577350	0.547723	0.487950	C. 654124	3.841872	0.518875	C. 7C7645	0.707107	0.0	1.017353	0.702500	0.516398	3.766356	0.0	
3.500300	C.650444	C.510418	1.732051	(.534522	0.0	C.517545	0.699206	0.500300	C. 514929	1.251470	1.071612	5.547723	0.487950	0.0	0.0	0.547723	0.487950	C.637344	0.797976	C.438529	0.594879	1.717107	0.0	1.020263	0.567900	6.516358	0.536309	C. 57735C	
0.500333	0.646206	0.760396	2.03333	0.363137	0.0	0. 144024	0.421637	0.957427	0.568558	1.497547	1.037749	0.816457	0.516398	701107-0	1.154701	0.447214	0.487950	0.527173	3.783269	0.751368	0.679663	0.707107	0.0	0.495595	3.657952	1.087311	0.513315	0. 577350	
0.577350	0.650444	11690900	0.517350	C.646206	0.0	C. FF6405	0.516398	0.500300	6.778499	1.322876	6.557249	6.516358	0.639340	6.767167	0.517350	0.447214	C.534522	6.737468	C. 534748	0.506370	0.706338	1.414214	0.0	0.955134	1-007547	0.625153	0.603561	1164711	
0.0	0.425815	0.550120	0.50000	0.534522	0.0	6.755529	0.316228	0.0	0.661339	1.380004	1.121714	0.408248	0.414039	0.0	0.0	0.447214	0.0	0.613611	0.674648	0.555145	0.682740	1.414214	0.0	0.374634	0.724731	0.619139	0.540429	0 511360	0.66
200000	0.518875	0.598243	0.0	0.534522	0-0	0.744024	0.483046	0.0	0.452267	0.685954	1.105400	0.816497	0.487550	0.757107	2.081666	0.547723	0.534522	0.842527	0.756661	0.518475	0.592315	1.414214	0.0	6.961237	0 646335	0.679153	0 40875R	0 52775	066776-0
000005-0	0.513553	C. 51 (41 A	0.500000	0.646236	) - )	0.744624	6.516358	0.0	1.114641	1.274755	1.637749	1.366260	C-457738	7.825427	0.577350	1. 116575	0.487550	C. 625613	C CS 1373	0.518875	C-555860	6.707107	0.0	1. (31662	0 444135	1 316316	245.57		000777
0-0	3.726273	6.523148	0.0	0.726273	0-0	0-744024	0. 421637	0.0	0 380340	1 358524	0.759555	0.816497	0.593617	0-0	0.0	0.447214	3377964	778717	704.597		0.551737	701707	0.0	5053630	714231	0 6 10130	740672	21660	0.51115.0
3114	115	711	11.7			120	121	133	133	134	125	126	127	128	120	130	131	132		134	136	136	137	130					(*)

-	-	13	14	15	16	17
TAPEE	N IN IN	EZCUMP	USFNFO	RESPND	CLEPIC	UNNEO
4CF248	C.5163CA	0.516398		0.516358	0.516398	1.602082
0.0	0.0	0.0		0.0	0.0	0.0
414214	1.414214	701107		0.0	0.0	C.1C71C7
C	0.0	0.707107	0.0	0.0	0.707107	5.828427
0	0.0	0.0	0.0	0.0	3.0	0.0
894427	0.836660	0.547723	0.836660	C.854427	0.836663	C. 83666C
c	٥.	0.0	0.0	0.0	0.0	0.0
0	0.0	0.0	0.0	0.0	0.0	0.0
7.828427	1.414214	7.878427	0.707107	1.414214	0.0	C. 707107
c	0.0	0.0	0.0	0.0	0.0	0.0
· ·	0.0	0.0	0.0	0.0	0.0	0:
421637	1.157219	0.316228	0.421637	0.421637	0.421637	1.197219
517353	0.577350	0.0	0.0	0.0	3.577353	0.0
095445	0.894427	0.8 36660	0.547723	3.3	0.547723	C. 83666C
547723	0.447714	0.547723	0.447214	0.547723	0.547773	1.516575
0.0	0.0	3.3	3.0	0.0	0.0	0.0
0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	2.0
0	0.0	0.0	0.0	3.3	0.0	0.0
. AP7625	C.866C25	0.572233	0.778499	0.514329	0.668558	C.66855F
1.095445	1.67337	0.707167	1.055445	1.673323	1.673323	1.673320
0-0	0.577350	0.517350	6.577350	0.517350	0.577350	C. 577350
406304		0 515075	0-467745	C-46.8407	0.468307	1.02710

1.458406 (1.4584206 0.632456 0.632456 0.927131 0.727456 0.707107 0.00568104 1.076055 0.076055 0.076055 0.076055 0.076055 0.076055 0.076055 0.076055 0.076055 0.076055	0.833740 0.914474 1.9133131 1.9133131 0.727932 1.173892 0.9516375 0.51635	L. C.
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^	1.164701	1.154701	1.154701	0.0	2.5	1.154701	1.154701
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	7.7071.07	731707.0	0.707137	0.707107	C.7C71C7	0.707107	C.7C7107
	0.0	0.107167	0.0	0.0	0.0	0.707107	0.707107
	0.72350+	C.SRCCF3	3.873716	C. PFSC12	0.172255	3.893821	1.395445
•	0.720288	0.500216	0.697744	0.552016	C.827133	0.712034	C.877532
	0.574022	1.091276	0.902671	C. 9337CO	C.6933A9	0.391556	0.935782
	3.688314	3.832528	1.776737	0.591689	C-503352	3, 515757	C. 9145c2
	1.003253	0.558280	0.646762	3.657802	1.360275	0.669113	1.022620
,	1.169464	1.322876	1.074436	1.114741	0.795316	1.147247	1.388337
	7.894427	3.836660	1-894427	1.643168	1.643168	1. €70829	1.643168
•	D. F75555	C.737865	0.737865	0.918937	0.918537	0.675595	C.632456
•	0.836426	CEL763.3	C.953542	3, 576187	C. 84C635	3, 434733	0.93352P
-	0.548644	0.528659	0.655047	535355	(.555581	0.556867	1.053134
	Ξ	13	13	71	15	16	17
	* I ND E	. In:	FZ CCMP	LSFNFC	0N 25 38	Clepic	CANAD
	0.717430	· 60024	0.587868	C. 624764	0.606339	0.664211	990
	1.858224		3.543466	3. 473 254	6.722263	3.513956	973
	1.124329		1.076319	1.150919	1.313531	1.142198	864
	1.060123		0.486384	0.506370	0.480384	0.506370	735
	1.095445		0.737137	1.00000	0.635350	1 150728	73776
	0.0		2.928427	1.416214	0.707167	3. 7371.37	710
	0.0		0.0	0.0	0.0	0.0	0.0
	0.957427		3.816497	1.003000	0.357+27	0.957427	C.57735C
	3.33333		701107-0	1. 337223	6.5	1.666607	J.781736
	1.221028		0.572733	0.504525	0.805340	0.700649	1.103713
	0.0		0.577350	0000000	0.0		0000000
~	0.0		3.577350	3.50003	000000000	0000000	2000000
	0.510676		74664	746546	0.744346	3.744946	1.425815
	1.444262		0.940325	0.554773	C.4442£2	3, 558243	C. 559683
1	2.000000		1.892969	2.00000	2.000000	2.000000	1.892565
	0.534522		3.646206	0.534522	C.578534	3.611253	3.468837
ır	0.0		2.0	0.0	3	0.0	0.0
	0.467510		0.514522	6.51.1549	5264565	0.534322	1.40.000
121		0.577.046	0.671631	3.94716.37	150176-0	0.516.54	000000000000000000000000000000000000000
		0.000000	0-492366	0.452366	0.651339	0.668555	0.753778
		1.748529	1.263974	1.263676	1.380304	1.333946	1.624717
ıc	1.171714	1.071612	1.071612	1.121714	1.121714	1.399453	1.251373
	0.516350	1.549192	861316.0	C. F16457	C-547723	3.43R243	C.547723
1	0.457738	0.487650	0.507093	0.351666	C. 25.1866	0.457738	C. 56115

		3.258	3,365	3.307	3.228
	PAGE	PESPND #	ORDNFO PYPCON RESPNO	DRUNFO PMPCON RESPND	PRESPND PRESPND
		3.499 3.142 3.504	3.277	3.507 3.176 3.516	3.559
			H H H 1	u u u	"""
C. TCTLC7 1.000000 1.000000 0.481950 0.751068 0.751068 C. 0.00292 0.716231 0.716231 0.716231 0.716231	0.577350	SATEPF SPKGRA USFNFD	SATERE SPKGRA USFNF3	SATBFF SPKGPA USFNFD	SAT BPF SPKGPA USFNF7
	95	3.413 3.151 3.291	3.483	3.430 3.193 3.342	3.448
. 534 . 534 . 534 . 534 . 534 . 134 . 134 . 154 . 154	57				
00	¥ !! !	SUPUEC AMINYZ EZCCMP	SLPUEC AMTNYZ E2CCMP	SUFCEC AMT4YZ EZCCMP	SLPDFC AM 172 E2CCMP
0.0 1.15 0.0 0.0 0.0 0.0 0.0 0.75 0.0 0.75	פֿי פֿי		;		
1350 1350 1364 6439 3892 3425 6667 4214 4214	0.577350 0.577350 0.577350 0ESERVEC	3.257 3.176 3.267 3.062	3.356	3.359	3.216 3.232 3.011
0.51 0.00 0.03 0.05 0.05 0.05 0.05 0.05 0.05	000				
0.0 0.547723 0.534522 0.647368 0.667325 0.667255 0.057324 0.0676325 0.0656692		ACCINED QUALVY FININ	ACCNFO CU ALVY FI NIN UNNFO	AC CNFO QUALVY FININ	ACCINFO QUALVY PININ
					mm = &
C.7C11C7 0.0 C.547127 C.53380 0.735886 0.480284 0.480284 1.414214 0.0	1.150224	3.535	3.781	3.593	3.553
25.55	3-16	-	mmm 1		
			# # # # · ·	- czuc	UZ 4 L
0.577107 0.647714 0.547714 0.75810 0.75810 0.375534 0.055967 1.414714 0.066477	0.764209 0.554205 0.554205 1.666006	AMTNFO MFSLFN MINDRF CLRPIC		T T T T T T T T T T T T T T T T T T T	ALTAFIC TENTENT TO THE TENTE TO
#51 67 101 101 101 101 101 101 101 101 101 10	5023	N = 1481.	MFANS	IFVEL N = 752. MFANS	A TANA
		- z 3-19	•	1	

3.316 3.289 3.520	327 301 508	302 500	3.337 3.292 3.522	845	010
	****	***			3.299
0 2 0 0		" " " 0 <b>z</b> o	0.70		и и и
ORDNFO PWPCON RESPND	DRONFO PHPCON RESPND	ORDNFO PMPCON RESPND	ORDNED PMPCON RESPND	OPDNFO F# PCON RESPND	CRUNFO PMPCON RESPNO
3.556	3.533	3.516 3.164 3.512	3.561 3.173 3.551	3.565 3.157 2.545	3.566
H H H	" " " 1			11 11 11 m m m	
SATEPE SPKGKA USFNFC	SATBEE SPKGPA USFNFC	SA TBRE SPKGBA USFNFQ	SATERE SPKGRA USFNEC	SATER SPKG9A USFNFC	SATBOF SPKGFA USFNFC
3.463 3.166 3.316	3.425 3.218 3.336	3.428 3.159 3.324	3.452	3.464 3.189 3.337	3.405 3.201 3.309
" " "	" " "			" " "	
SUPDEC AMINY Z EZCCMP	SUPUEC APTINYZ EZCCMP	SUPUEC AMINY Z EZCCMP	SUPUEC AM TAY Z EZCCMP	SUPUEC AMTNYZ EZCCMP	SLPDEC AMTNYZ EZCCMP
3.320 3.188 3.293 3.076	3.225 3.251 3.216 3.110	3.207 3.214 3.278 3.066	3.832 3.226 3.323 3.111	3.214 3.214 3.117	3-210 3-234 3-201 3-053
" " " "					" " " "
ACCIFO CUALVY MININ UNNFO	ACCNED CUALVY MININ UNNED	ACCNED CUAL VY PININ UNNED	ACCNED CUALVY MININ UNNED	ACCNED CUALVY PTNIN	ACCINED CUALLY MININ
3.55 F 3.32 F 3.48 5 5 4 9 1	3.573	3.564	3.598 3.352 3.522 3.500	3.554 3.536 3.536 3.512 3.658	3.56F 3.472 3.446
CZLC	""""				
AMTNEO MESLEN MINDRE CLEPTC	AMTNEC MESSEN MINDRE CIRPIC	AMT NEG MESI EN MINDRE CIRPIC	AMTAFF MESIFN MINDE CIRDIC	AWTNEC MFSIFN WINDER CLRPIC	A A A A A A A A A A A A A A A A A A A
MFANS HFANS IFVEI	MFANC FACTORS 4	MFANS MFANS IFVE! N = 1589.	MEANS AF	M = 1647.	N4 1

6 (ECWEGENT)

FACTORS

1 FVF1 N = 2450.	-													
MFBNS	MATNED MESIEN VINDRE	 3.512	ACCNFO OUALVY MININ LINNFO		3.328 3.225 3.115 3.100	SUPUEC APTNYZ EZCCMP		3.232	SATBRE SPKGPA USFNFO	11 # 11	3.550 3.173 3.545	DRDNF O PWPCON RESPND		3.325 3.300 3.527
1 FVF1 N = 137.	,													
A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	AMTNED MFSI FN MTNPRF CIRPTO	 3.372	ACCNFO DUAL VY FINITE UNNFO		3.226 3.153 3.151 2.578	SUPCEC AMTNYZ ELCJMP		3.121	SATBRE SPKGPA USFNFO	и и и	3.431 3.161 3.372	CRUNFO PMPCON RESPNO	и и и .	3.255
FACTORS 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i		1				i	1			:
1 FVF1 N = 1708.	-													
7   7   7   7   7   7   7   7   7   7	AMTNED MFSI FU VINDRE	 3.242	ACCNFC OUALVY FININ		3.332 3.156 3.245 3.061	SUPEEC AMTNYZ EZCOMP		3.400 3.162 3.285	SATBRE SPKGRA USF NFC		3.489 3.146 3.482	ORDNFO PMPCON RESPND		3.273 3.256 3.456
3-51	,													
A FANC	AMTNFO MFSLFN MINDRF CLPPTC	 3.631	ACCNFO OUALVY FININ		3.363 3.277 3.423 3.157	SUFDEC AMTNYZ EZCCMP		3.526 3.255 3.407	SPKGPA USFNFO		3.651 3.215 3.641	DADNFO PMPCON RESPND		3.416 3.373 3.626
FACTORS	(NEW USE )	:	;	1	!		,	!		1			:	:
1 FVE1 N = 1242.	-													
ANA	MEST FN MEST FN MTR PRF CIRPTC	 3.469 3.238 3.378 3.267	ACCINEC DUALLY PINTN LINFO		3.727 3.193 3.639	SUPDEC AMTUYZ EZCCMP		3.349 3.145 3.241	SATBRE SPKGPA USFNFO	4 8 4	3.126	DRONF O PAPCON PESPNO		3.238
1 FVF1 N = 1345.														
NA 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMTNEN MFS1 FN MIN PRF	 3.652 3.439 3.608	ACCNFO DUALVY FININ		3.410 3.751 3.409 3.144	SUPDEC AMTUYZ EZCCMP	н н н	3.529 3.239 3.406	SPKG2A USFNF7	и и и	3.210	DRDNFO PMPCON RESPNO		3.404
					FCTTMA	FOTIMATION PARAMETERS	E 4 F	V				۵	PAGE	5

RANK OF THE BASIS = RANK OF MODEL FOR SIGNIFICANCE TESTING =

RANK OF THE MODEL TO BE ESTIMATED IS 9

ERRCE TERM TO BE USED IS (RESICUAL)

NUMBER OF DROERS OF THE BASIS VECTORS OTHER THAN THE FIRST IS 7

ESTIMATEC CELL MEANS. RESTOUALS AND RESTOUALS IN FORM CE * STATISTICS WILL BE PRINTED

## SYMPOLIC CONTEAST VECTORS

E0.E0.E0.B0.B0.E0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.E0.B0.B0.E0.B0.B0.E0.B0.B0.B0.B0.B0.B0.B0.B0.B0.B0.B0.B0.B0		LYPATING	ENGINES	TETALELY	ANIBEEN	GALT	FLEBONS OF	טרנ חצפ	
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1 ANTREC	1.100111										
2 ACCNEC	0.457075	1.000000									
3 SHEDEC	0. 544544	C.462692	1.00000								
4 SATHOF	0.577742	0.465487	0.611422	1.00000							
5 NCDMEN	0.415214	0.452972	0.453821	3-525630	1.000000						
NA IDAN Y	0.410615	0.375581	0.423259	C. F.C. 13.6.7	200000	1 001111					
7 CUALVY	0.315621	0.403862	0.356113	0.411169	C. 600019	673906	1000001				
CANTAN A	0.303452	0.395512	0-324765	( . 4 ( 6 / 4 )	0 444970	0.413344	000000				
O SPACE A	1.268456	95 45 45 0	3.303766	765356	6.451501	1 456133	6. 14467	1.111000			
10 PAPCON	0.321529	0.351231	0.367494	0.409237	0.374619	0.371610	012/40.5	0.030133	0000001		
11 MINIDOF	0.479902	0.41386B	0.534120	0.578077	0.442794	0.440310	1 4 16 6 6 1	C. 40 CO LY	108894-0	1.00000	
12 MININ	1.357943	0.364866	1414140	0.423025	C.3EEC73	0.349466	C.35733C	0.349592	0-314936	0.370680	

				-														1				
0.492648 0.438500 0.416207 0.420348 0.319490			İ	1																		
0.553761 0.440806 0.399047 0.395722 0.366817																						
C.542714 0.442518 0.421645 0.407354 0.367896																						
C.5589C5 C.461406 C.434485 C.423889 C.333147	17 UNNFO	1.000000		STANDARC CEVIATION	3.7430	C. 7981	0.7534	0.8337	0.9218	3.7968	C. 7801	C.7687	0.8103	0.9277	C. 8103	C.8278	0.8394	0.9600			CUAL)	LAPTABLES
0,454243 0,514862 0,491364 0,483360	16 CLF PTC	1.033303																			IANCE (RESI	- EFFECTS X
0.506491 0.501409 0.458820 0.496042 0.358337	15 RESFNU	1,000000 0,675361 0,675361		VARIANCE	6.552322	C.636543	0.567667	456459*3	0.767655	C-634875	C.606535	0.590944	0 696723	0.860568	C. 656593	0.685273	0.704654	0.921688		D.F.= 2578.	EGRAP TERM FOR ANALYSIS OF VARIANCE (RESIDUAL)	LEAST SQUARE ESTIMATES OF EFFECTS EFFECTS X LAPIABLES
C. 5CC757 0.613778 0.616545 0.595640 0.327793	14 USFNFO	1.CCCGCO 0.680863 0.637351 0.369760		VA (ERROR M																•0	RIV FIS ANAL	EST [MATES 0
0.405787 0.557233 0.558074 0.541493	13 E2 COMP	1.0CC00C 3.5F6951 0.563571 C.555736		VARTABLE	ANTAR	2 ACCNFO	3 SUPDEC	4 SATBRE	S ORDNED		8 AMTNYZ		I TAGE	12 MININ	12 FZCOMP			17 UNNFO			ERRNP TE	AST SQUARE
C.448580 0.470768 0.459507 0.447118	NININ	1.C03CG0 6.435E54 0.45E57 6.467760 C.4EC714																				53
0.310367 0.548710 0.501713 0.478244 0.239833	I NP RE	1.000000 0.662905 0.510892 0.588390 0.592396 0.577882																				
13 FZCHP 14 USENEC 15 RECOND 16 CLRPIC 17 UNNEC		11 MINDQF 12 MININ 14 UKRNFO 15 REKOND 16 CI RDTC																				

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S OF LEAST-SCLARES ESTIMATES EFFECTS BY VARS	
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1,4,119,99, C  1,7371900-07 3,519,915,C  2,437150-07 4,0995140-02 4,395,610-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-02 2,337150-										
1,471559_C    1,753199_C    2,753199_C    2,75319_C    2,75326_C		AMTNFO	ACCNF	0.	3 SUP DEC	SATBRE	GRENFE	MESLEN	OUALV	
1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,00		3-4712550-02		20-05	3.5199150-02	3.8949210-02	4.0935740-02			0-02
	-	20-0012599-1		20-05	20-0211190-2	70-0211620-2	7.4411580-0	1		20-0
1,546406-07   1,6413140-02   1,471510-02   1,4652010-02   1,54540-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546500-02   1,546500-02   1,546500-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02   1,546400-02		1.9124170-02		50-05	1.9392250-02	2.1458270-02	2.2552710-02			0-02
1.5500600-70 1.5016490-20 1.568321C-02 1.7122C-02 1.690590-02 1.595450-02 1.6753000-1.5500500-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.5600300-02 1.56000000000000000000000000000000000000		1.6842520-02		20-06	1.7375620-02	1.8858150-02	1.9862010-02			20-05
4.44440   7.45780   1.65780   1.65780   1.65780   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44150   1.44		1.5269160-02		40-05	1.5483216-02	1.7132760-02	1.8036590-0			70-05
1.464070970-02 1.77407810-02 1.5826480-02 1.57512610-02 1.5347990-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-02 1.575090-		3.4544180-02		20-05	3.5028430-02	3. E76033D-32	4.0737200-02			20-02
### 10		1.5607690-02		30-02	1.5826481-02	1. E46 8580-02 1.7512610-02	1.9410590-02			20-0
14										
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7.6446CBD-C2 3.551545C-02 3.816504C-02 2.316157C-32 4.33411670-22 2.157599C-02 2.01648D-C2		AMTNYZ	SPKC	4 4	PIPCTN	FINPRE	21717	EZCCMP	USFNE	0
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7.174570-22 2.1148131-02 2.125575-02 2.114440-02 2.159440-02 2.105970-02 2.105970-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.105480-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1574740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.1544740-02 2.154470-02 2.1544740-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.154470-02 2.		2.094850D-C2		10-02	2.1936530-02	2.2310270-02	2.4911670-3			0-02
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15 PF SPND CIPCL UNFEC   3.971897E/02 3.691180-02 4.489350C-02 2.78116C-02 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.78136 2.7		1.6387130-62		5C-02	1.7160025-02	1.7452390-02	1.9487250-0		1	0-02
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3.196482	3.387497	2.554421	3.143430	3 23 21 60	3-035476	3.276450	3.122190	3.313235	2.880129	3.071144	2.966844	3.157858	3.043719	3. 234734	3.130433	3.321448	2.888372	3.079387	2.575387	3.166102	3.054387	3.245402	CELLS X VARIABLES	9 23	4ESTEN	3.141101	3.332116	2.899041	7.585755	3.176770	3.062630	3.253645	1.149344	2. 90 72 84	3.098299	2.993998	3, 185013	3.188405	3.37942)	3.666136	3. 133059	3.224074	3.119773	3.310783	3.196648	3.387663	3.283363	3.47437	
3.227055	3.362814	3.051010	3.226769	3.183640	3 1 2 1 2 6 3	3.257652	1211929	4.345688	3-C778E4	3.213643	3,170523	27.305.7	3.063224	3.228983	3.185860	3.321619	3.045615	3.185574	3.142451	2.27E210	3.125246	3.261305	GECUPS - CE	5	CHONFO	3.217881	3.353640	3.061636	2.4112.5	2.316231	3.097177	3.232936	3.189812	3.325511	3,185526	3.146433	3.282162	3.225173	3.360932	3.317808	3 151764	3.317523	2.274399	3.410158	3.157104	2.332863	2.285739	3.425459	
3.380401	3, 565483	2.213357	3.358439	3.306771	1.491833	3. 417019	3.321350	2 506672	3.154306	3 336389	3 241120	1 627877	3 16/513	3.36556	3.273927	3.459010	3.16683	3.291566	3, 200257	3.386386	3,233355	3.418438	MFANS. ALL	4	SATARE	3.376769	3,511852	3.155725	3.344808	1.438222	3.185933	3,371016	3.275347	3.464429	3.257386	3.205717	3.346749	3.435462	3.624545	3.677876	3 34 6 6 2 3	3.550515	3.459246	3.644329	3.352040	3, 577123	3.485454	3.670537	
3.372909	3.572792	3.195691	3.345074	3.270661	3.470064	3.2 38804	3.386166	2 463176	2 126675	210011.0	3 311565	3.211202	2.500.5	2 225730	3.265337	3.414719	3.088119	3.237501	3.163108	3.312491	3.235828	3.385211	FSTIMATED CELL		SUPDFC	3.310818	3.466200	3.133600	3.282982	3 367973	3.187372	3.336754	3.262361	3.411744	3 234526	2.16(133	3.305515	3.375396	3.524778	3.450385	3.566708	3.275107	2 346157	2.497540	3.326939	3.476322	3.401929	2.551311	***
3.230814	3.410141	3.120759	3.300067	3.118552	3.797919	2.719454	3.358.60	4.71.1257	3.356613	3.101.6	3. 20502.	3.105004	3.68424	2 36 76 10	3.205023	3. 36 5.50	3.09 BC 6 B	357375 F	3.656801	3.276129	3.201050	3.380378	FSTI	`	ACCNFC	3.158883	3.378210	3.CAFE28	3.768156	3 34 55 60	3.192788	3.272115	3.156620	3.365648	3 350 963	118368	3.257726	3,236150	3,415478	3.233963	3.412210	3.173978	1.1037.00	3 331689	3.227687	3.467215	3.225720	3.405C4B	100000
3.451004	3.645710	1.187481	7.381687	3.236616	3.4.10822	1.319597	3.514803	3. 46H 735	3.562936	3.105209	4.755415	3.154345	4.34H20	1. 108484	3 357626	2 551826	3 004006	205895 5	3.143232	3.337437	7.308077	3,502283		-	AMTNEO	3.357212	3.551418	9.093689	3.287895	3.142824	2.264644	3.491170	3.346099	3.540305	3.082576	3 121711	3.325917	3.480968	3.675174	1.530103	3.724.09	3.766583	3.460786	3. 570021	3.460855	1.664061	3.518990	3.713196	1. 11190

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1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,000,000   1,00	10	3.304602	3.113458	3.374093		3.289454	3.232317	3.139758	3 156917	3.194612	3, 192551	
Accorded	BO	3.45880B	3.292826	3.445083		3.362069	3.215031	3.17634€	3.215367	3.230278	3.272487	
1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	14	1.469447	3.21774R	3.372420	3.444881	3.229125	3.207317	7.117977	3, 115177	3.072443	3.208951	
1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000   1,10,000	82	3.663653	3.357675	3.521803	3, 620964	3.364864	3.398332	3.154567	3.178568	3.143968	3.290863	
1,449,500   1,264,501   1,314,601   1,314,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,414,601   1,41		3.518583	3.215580	3.447410	3.538295	3.321761	3.294031	3.155767	3. 168967	3.108109	3.288888	
13-04-195   13-25-96   13-44-464   13-25-195   13-25-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-195   13-195-19	* 4	3 255059	3.136636	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 271761	3.457520	3.485046	2 042814	3.232358	3.179634	3.370799	
1449400   1270266   134064   144066   127050   127021   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105   1310105	94	3.449265	3.764653	3.419574	3.556334	3.371475	3-242985	2.079404	3. 160071	2.126317	1. 211971	
1448740   1720646   1437966   146464   166474   14411   133770   1111744   121212   111162   111162   1448740   1448740   1448740   1448740   1448740   1448740   1448740   1448740   146464   1457646   1457646   1457646   1457676   146767   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   146774   1467	47	3.304195	7.10325R	3.345181	3.464665	3.278352	3.138685	3.080604	3.158430	3.090458	3.209957	
1465744 1-20040	88	3.438400	3.237686	3.494564	3.649748	3,414111	3.325700	3.117154	3. 221821	3.161583	3.291908	
AND PART   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.55   1.5	00	3.450334	3.205465	3.373963	3. 397459	3.201056	3.215560	3.140321	3, 127662	3,111625	3.136674	
The color of the	06	3.65254)	3.386612		3. 562542	3,336815	3.406575	3.176911	3.191373	3.183150	3.218586	
1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0		3.507470	3.207318		3.49(673	3.253692	3.302274	3.178111	3. 181472	3.147291	3.216611	
1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.000000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.	03	3.243946	3 067263	3 221726	3, 27, 20, 20	1674671	3 040314	20141202	2 117165	3.2015	3. 637262	
1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101   1.010101	70	3.638152	3.276661	3 371118	3 56 86 12	2 263606	3 251228	10176	3 1975 34	3.093974	3.05//83	
1.176404 119557 3.744617 3.4.00726 3.191050 3.141054 3.115539 3.25452 5.20106 3.17744 3.101910 3.17744 3.101910 3.17744 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.101910 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.17744 3.	50	3.293081	3-65666	2.294725	3-417243	3.250283	3.146928	3.132948	3 17 19 35	3 1 296 40	3 137720	
1.770.66 3.1995.57 3.674.46 8.1334.08 1.322.69 1.322.69 1.11712 1.1173.1 3.13758 1.4.707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.68 3.19776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.2707.69 3.10776 1.	96	7.487787	3.274423	3.446107	3.602326	3.386042	3. 337543	2,139538	3.234326	3.201165	3.219631	
7.4790AB 3.775764 4.44733 3.428491 3.32289 3.224051 3.171379 3.171379 4.6572G 3.6169G5 3.416375 3.41897 2.278942 3.225122 3.1213763 3.137617 3.46572G 3.6169G5 3.416375 3.41897 2.278942 3.225122 3.259108 3.193789 3.193789 3.193789 3.193789 3.228122 3.259108 3.193789 3.193789 3.193789 3.288949 3.228122 3.259108 3.193789 3.193789 3.193789 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.288949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.289949 3.28994	25	3.376063	3.195957	3.264848	3.338438	3.187930	3.141269		3, 107941	3,101917	3. 21 8340	
1. A.455198 3.193784 3.337837 3.421872 3.428356 3.418397 3.278172 3.262108  3.447404 3.277117 3.44672C 3.6189G5 3.418397 3.278172 3.2621122 3.262108  1. A.A.T.N. A. A.C.C.F. SUDGEC C. S.A.C.F. C.G.L.S. W.B.T.A.G. C.G. C.G. C.G. C.G. C.G. C.G. C.G.	46	9.570268	3.375264	3.414230	3. 523491	3.323689	3.332283	2.240951	3.171332	3.173442	3.300252	
## FSTEMED ## FSTEME CELL MEANS, ALL GPCLPS = CELLS X VARIABLES  ***AFFAGA	05	3.425198	3.193789	3.335837	3.431822	3.280566	3.227982	3.242152	3, 161731	3.137583	3.298277	
### PATENT OF THE PROPERTY OF	00	3.619404	3.37:117	3.485220	3.616905	3.416325	3.418397	3.278742	3.225122	3.209108	3.380188	
10   2   2   2   2   2   2   2   2   2			FST	TMATED CELL	MFANS. ALL	GRCLPS - C	ELLS X VARTO	19165				
### APTNED ACCRET ###			!									
A. CARLY		- TATAL	, , , , ,		4 4 5	2 4 4 6 6	9	, ,,,,,	w .	6	10	
3.161674         2.087135         2.162615         3.266778         3.116767         3.129492         3.16678         3.126704         3.084267           3.485881         3.266881         3.166778         3.116678         3.166775         3.166775         3.166775         3.166775         3.166776         3.166779         3.166778         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.166779         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3.16679         3		O L N L N L	ACCAF	SUPERC	A P P P P	CKONFO	MESLEN	OUALVY	AMINAZ	SPKGRA	NOOdad	
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3.608791         3.364654         3.440764         3.56443         3.388256         3.427240         2.301086         3.227627         3.1248299           3.17561         3.77447         3.11462         3.116452         3.497446         3.115344         3.113448           3.34476         3.47710         3.260708         3.18813         3.11346         3.113448           3.34476         3.47710         3.260708         3.18813         3.11346         3.113448           3.34476         3.7710         3.2007084         3.18813         3.16599         3.15949         3.18932         3.16599         3.15949           3.34476         3.75144         3.18613         3.16770         3.270704         3.18932         3.16599         3.15949           3.34476         3.75144         3.18613         3.16770         3.270704         3.18649         3.15649         3.270704         3.18649         3.16751         3.18649         3.16751         3.1710         3.270704         3.18649         3.16751         3.18649         3.18649         3.16770         3.18649         3.16770         3.18649         3.18649         3.18649         3.18649         3.18649         3.18649         3.18649         3.18649         3.18649         3.18649	10	3.414085	3.185527	3.291381	3.384400	7-252457	2.236225	3.264406	3. 174236	3-176765	3-22-6000	
3.157561 3.72547 3.114162 3.217256 3.1116452 3.151542 3.105908 3.123468 3.123468 3.1344687 3.744767 3.7564803 3.254545 3.3404449 3.225211 3.18452 3.175300 3.194573 3.1044647 3.250481 3.184522 3.175300 3.1945473 3.1044647 3.220481 3.184522 3.175542 3.2364879 3.220481 3.184522 3.220489 3.125468 3.230489 3.230489 3.2304554 3.246442 3.17554 3.246442 3.15754 3.246442 3.15754 3.256487 3.246442 3.15754 3.256487 3.246442 3.15754 3.256487 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26437 3.26	0.8	3.608291	3.364854	3.440763	3,565433	3.388256	3.427240	2,3010€€	3.227627	3.248289	3.307911	
1,144,767 2,172,55 3,146152 3,147,743 2,250,211 3,185181 3,188132 3,1153,00 3,194673 3,194674 3,15647 3,175647 3,17564 2,18932 2,46563 2,46565 2,46647 3,189473 2,189492 2,162699 3,159114 3,186452 3,17655 3,17655 3,17657 2,12569 3,159114 3,186469 3,17657 3,17656 3,17657 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659 3,17659	50	1.150561	3.375472	3.114163	3.211356	3.116452	2.994165	3.151542	3,109908	3.123448	3.067172	
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3.414677 3.17467 3.336662 3.437241 2.226416 3.24654 3.205542 3.176750 3.108669 3.1067883 3.156714 3.466244 3.420274 3.246354 3.106756 3.108669 3.108669 3.108669 3.108669 3.108669 3.108669 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.10869 3.	14	3.558749	3.256892	3.411255	3.528910	3.327642	3,351194	3.234141	3.186352	3.144329	3.247395	
3.1567843 3.354714 3.46644 3.272054 3.442075 3.443709 3.2440192 2.3176954 3.1795954 3.1795954 3.1795954 3.1795954 3.1795954 3.1795954 3.1795954 3.1795954 3.1795954 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.126519 3.175614 3.175614 3.126519 3.126519 3.175614 3.175614 3.126519 3.126519 3.175614 3.176619 3.175614 3.176619 3.175614 3.176619 3.175614 3.16675 3.189656 3.135465 3.111986 3.1856770 3.146529 3.189678 3.18968 3.189678 3.18968 3.189678 3.18968 3.189678 3.18968 3.189678 3.18968 3.189678 3.18968 3.189678 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.18968 3.1896	15	3.413677	3.1757£7	3.336862	3.437241	3.284519	3.246954	2.205342	3.176750	3.108469	3.245421	
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3.544745 3.344619 3.367549 3.441449 3.2599773 3.356497 3.256496 3.18510 3.18510 3.44755 3.447651 3.256466 3.186255 3.147551 3.447551 3.447551 3.256466 3.186255 3.147551 3.447551 3.447551 3.44756 3.186255 3.147551 3.447551 3.44756 3.186255 3.147551 3.456770 3.44756 3.256460 3.256460 3.256466 3.189176 3.256470 3.44758 3.12575 3.187672 3.256470 3.256470 3.256470 3.256470 3.256460 3.29176 3.165680 3.18777 3.256570 3.467570 3.256540 3.215132 3.186219 3.186210 3.186210 3.186210 3.186210 3.186210 3.186210 3.256460 3.256480 3.2564511 3.267570 3.478645 3.256480 3.2213041 3.294771 3.16717 3.316189 3.256480 3.259771 3.16717 3.316189 3.256480	21	3.363429	3.165291	3.213415	3.296405	3.163314	3.168422	3.189856	3.135465	3.111986	3. 093207	
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3.1946/10 3.1946/10 3.194788 3.1940/0 3.1920/0 3.446152 3.264271 3.252640 3.219476 3.1340/4 2.056770 3.111197 3.272715 3.1230/0 3.01376 3.114732 3.124928 3.094335 3.1347247 3.036397 3.260570 3.467678 2.25644 3.004091 3.151222 3.186119 3.105800 3.188176 3.654670 3.16417 3.316189 3.273141 3.696791 3.15222 3.186119 3.13000 3.47447 3.273731 2.33555 3.515872 3.348803 3.233731 3.136412 3.2242109 3.201525 3.613151 3.326184 3.478145 3.326187 3.3263731 3.172413 3.136471 3.14784734	23	3.417564	3.167124	3.286405	3.385619	2.256450	3. 255137	3.227686	3.189255	3.147651	3.173144	
4.194041 2.405/677 2.1260570 3.4072715 3.123435 3.113405 3.114722 3.124928 3.19335 3.194041 3.1940422 3.124928 3.1940432 3.124928 3.124928 3.19404031 3.1050800 3.1940404 3.19404091 3.1050800 3.1050800 3.1940404 3.294091 3.15522 3.176718 3.1050800 3.434784 3.2940403 3.2940403 3.2940403 3.2040105 3.1050800 3.2940403 3.2940403 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105 3.2040105	24	3.596770	3.346452	3.437788	3.574532	3.392209	3.446152	3.264276	3. 252646	3.219176	3.255055	
3.737.47 3.738.57 3.800710 3.40.853 3.828.84 3.004.31 3.1313.22 3.138.319 3.100300 3.478.78 3.858.72 3.378.57 3.318.89 3.213041 3.009.511 3.1525.2 3.178.18 3.130030 3.478.7 3.784.39 3.378.55 3.501.72 3.468.0 3.293.95 3.1891.2 3.2421.09 3.2015.5 3.613.51 3.7261.63 3.4780.45 3.5158.2 3.260380 3.223.731 3.172413 3.1364.71 3.144.734	22	1.139041	2.057.67.5	3.111187	3.222775	3.123435	3, 113,176	3.114732	3.124928	3.394335	3.014316	
3.342187 2.234231 2.33555 3.50172 2.248403 3.29385 2.189112 3.242109 3.201925 3.4613151 3.256189 3.201925	27	3-188176	3.054502	2.166177	3.316189	3.213041	3.096791	1.152522	3.176718	3.130000	3. 596251	
3.613151 3.326163 3.4781945 3.515822 3.260380 3.223731 2.172413 3.136473 3.144734	23	3.387382	3.234231	3.33555	3.501272	3.348800	3, 29 18 15	3.185112	3.242109	3,201525	3-176164	
	20	3.613151	3.326163	3.478045	3.515822	3.260380	3. 223731	2.172413	3.136471	3.144734	3.373983	

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3.453895	3.535832	3.377003	3.375029	3.456940	3.30170	3.381643	3.463555	3.222815	3.304727	3. 302752	3, 384663	3.321127	3. 403039	3.401004	3-242236	3.324147	1			10	2021	3.322173	3.404084	3.330762	3.228787	3.410699	3.165959	3.251870	3.331807	3,330516	3.412428	3.492364	3. 251625	3,333536	3, 331562	3.258239	3,340151	3.338176	3.420087	3.179348	3.2501639	3. 341166	3.277650	3.359571	3.357597	3.439508	3.158769
3.216258	3.251924	3.198608	3.162748	3.234273	3. 183915	3.219581	3.291106	3.166265	3.237789	3.201930	3.273455	3,115620	3.187145	3.151280	3.097670	3.169494				6	a unu un	3.133635	3.205160	3.226327	3-190468	3,261992	3.137151	3.208676	3.244342	3.145094	3.216619	3.252285	3.127444	3.198968	3,163109	3.184276	3.255801	3.219942	3.291466	3.166625	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.272016	3.115931	3.187506	3.151646	3.223171	3.198330
3.153862	3.247652	3, 183325	3.172724	3.237115	3. 1425 10	3.156766	3, 26(157	3.132439	3, 195830	3.186229	3.249620	3.145450	3. 20 88 82	3.199280	3 13707 2	3, 198345				8	71414	3, 186743	3. 252135	3.121386	3.211785	3.275177	3.147458	3.210849	3.264640	3, 138254	3.201645	3. 256436	3.127717	3.191108	3, 181507	3 157759	3-214150	3.204549	3.267940	3.140222	3.203613	3 257433	3. 1532 74	3. 216665	3.207064	3,270455	2.142737
3.209303	3.246794	3.133840	3.135040	2.171630	3 22776	2.23254P	2.769138	3.119594	2,156184	3.157384	3.193574	3-135603	3.172193	3.173394	3 369663	3.057030		BLES		7	COMPLY	3.098230	3.134820	1 104536	3.195738	3.232326	3.082784	3.119374	3-157165	3.221986	2.258578	3.266369	3.146824	3.183414	2.184615	2 246 3 3 2	2.280922	3.282122	2,318712	3.169168	3.205759	2 243646	2.185178	3.221768	3.27296₽	3.25955	2.110014
3.414746	3.501460	3.259359	3.155099	3. 346114	3.231974	3.318688	3.509703	3.076628	3.267643	3.163342	3.354357	3.242642	3.433657	3. 325357	3 007304	3.278311		- CELLS X VARIABLES		9	MESTER	3.174010	3.365125	3 44 1900	3.337600	3.528615	3.095539	3.286554	3.373268	3.176593	3,367608	3 454 333	3.021247	3.212262	3.107961	3.298116	3.375851	3. 27 1551	3.462566	3.029490	3.220505	3-116705	3.105505	3.336520	3.282219	3.473234	3.040152
3.356139	3.488775	3.216571	3.309607	3.445366	3.232311	3.3861.10	3.460706	3-186902	3.324661	3.231538	3.417257	3.264332	3.400051	3.356568	3.496121	3.356682			1	5	CKUNFL	3.313559	3.445318	3.236263	3.0216.6	3.464658	3.192654	3.228613	3-421249	3.223137	3.358396	3 451533	3.179728	3.315467	3.272364	3.408123	3-195068	3.287704	3.423463	3.151659	3.287418	3.244295	2000000	3-362849	3.319726	3.455485	1826.81
3, 700505	3.754318	3.442192	3,535606	3.726688	3.468430	3. 56 18 13	7. 746AGA	3. 354770	3.575.852	3.486183	3.673266	3.521241	3.706324	3.614655	1. 195138	3.632654		ESTIMATED CELL MEANS. ALL GRCLPS	1	4	SATHE	3.541025	3. 726108	7.473819	3 561333	3.752315	3.400189	3.585272	3. 675655	3.414768	3.555851	3.508182	3.341138	3.526221	3.434552	3, 619635	3. 567478	3.460760	3.645842	3.253716	3.476768	3.367130	3.5776616	3-605270	3,513601	3.698684	2 34457
3.553034	3.702417	3.375816	3.450806	3.600189	3.425488	3.5/85/1	1 452941	197778-5	3-476743	3.462350	3.551732	3.475069	3.624452	3.550059	3.699442	3.522224		WATED CELL		3	SUP DEC	3.447830	3.597213	3.476613	3.51575	3.650985	3.324384	3.473767	3.546757	3.367497	3.516879	3.442486	3-265268	3.414651	3.340258	3.459441	3.319040	3.394030	3.543412	3.216812	3.366194	3.291801	3 26.521	3.513304	3.435511	3.588893	2 242362
3.505491	3.503324	3.213547	3.211714	3.391132	3.317501	3.457778	2 405541	3.205679	3.385067	2,203517	3.382839	3.307761	3.467688	3.305554	3.484521	3.374867		ESTI			ACCAFO	3.193272	3.372699	3.795458	3.412620	3.476658	3.187276	3.366664	3.185109	3.285570	3.4652CP	3.283863	3.463130	3.353076	3.171581	3.35JSCR	3 657035	3.275540	3.45486R	3.165486	3.344813	3.163318	3 347646	3.446865	3-265400	3.444728	775331 6
7.807357	1.856497	3.198763	3.447898	3.642134	3.602038	2 451173	2 046370	3 387650	3.581856	3.436785	3.630991	3.601630	3.795836	3.650766	1.844972	3.581448				-	DANTNE	3.436378	3.633583	3.590517	4.184123	3.833859	3. 376129	3.570335	3.477767	3.508246	1.702451	1.557381	1. 253857	3.488363	1.347993	3.537199	3 45133	3.546268	3.740474	7.282744	3.47695)	3.331880	3 404735	3.496123	3.545860	3.740066	
91	CF1	133	135	136	137	85.0		141	142	***	144	145	146	147	148	150						151	152	151	174	156	157	158	140	191	147	163	164	106	167	168	169	171	172	173	174	175	176	110	179	180	

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3.353657	3.435594	3.274756	3.274791	3,356702	3.293166	3.375078	3.373103	3.425014	3. 414213	3 307013	7 275177	3.220889	3.302801			10	PPPCON	3.70087K	3.382738	3.141998	3.223909	3.221935	3. 303846																				
3.290611	3.326276	3-277960	3.237101	3.308626	3.150791	3.222316	3-180426	196/67.6	3 20444	3 1 4 0 0 0 4	3.74033	3.189973	3.261497	-		6	SPKGRA	3.275638	3.297163	3.172322	3.243847	3.207987	3.279312																				
3.292072	3. 333404	3.291136	3, 281535	3.344927	3.240797	3. 3041 68	1967676	3,53676	3 7036 51	3 284050	3.347441	3.253302	3.216653			œ	AHTAYZ	3,307092	3, 370483	3,242765	3.306156	3. 296555	3. 5299 40																				
3-424801	2 211047	3.348437	3.349637	3.386227	3.327856	2.304446	2 402024	1 252693	7.289283	2 2006 83	3.327073	3,350200	3.386790	BLES		7	OUALVY	3,387991	3.424581	7.275037	3.311627	3.349417	110000	BLES	17	UNNFO	3.039390	3.112330	2.397629	2.898520	2.971460	2.956759	2.02965 B	1.063656	3.037996	3.110935	2.838887	2.911826	2.857126	20074.7	3.125655	2.11.95A	2 1 0 2 0 5 5
3.377343	3.126283	3.326258	3.221997	3.413312	3. 301297	3 300313	3 570026	3.145951	3. 736966	3.232665	3.423683	3. 309540	3.500555	LLS X VARIA		•	MESLEN	3.396255	3.587270	3.154194	3.345209	3-441923	30431463	CELLS X VAPTABLES	91	CLRPIC	3. 286585	3.471203	3 555157	3.059490	3.244108	3.143475	3.328093	1.43FFFF	3.334935	3, 519523	3.023326	3.208444	118701.5	3. 216034	3.500652	3.400019	1 564427
3.354342	3 218297	3.354056	3,310933	3.446652	3.292128	2 20,242	3 622177	3.250318	7.366.77	3.34.2954	3.478713	3.265659	3.401418	ESTIMATED CELL MEANS. ALL GROUPS - CELLS X VARIABLES		S	GRONFO	3.358254	3.494053	3.222249	3.356308	3.3148 65	*********	GROUPS - CEL	15	RESPND	3.357765	3.542471	3.456512	3-134673	3.319376	3.233416	3.413113	3.493332	3.467342	3.551745	3.085204	3.265936	3.18394	3.334078	3.521380	3.435421	2 6 20 2 3
3.571232	3.404188	3.585271	3.497602	3.682635	3. 30000	3 424074	3. ACC154	3.457030	3.647113	3.550444	3.735526	3.483237	3.668320	WEANS. ALL		4	SATBPF	3. 576651	3.761734	3.405677	3. 554690	3.688104	101000	MEANS. ALL	14	USENEC	3.282377	3.582391	3,6217.5	3.238679	3.436653	3.328875	3.2726.5	3.573467	3.463648	3.663662	3.229755	3.425769	3 515964	3. 766550	3.586564	3.476746	
3.473074	3.242856	3.392238	3.317845	3.467728	979063 6	3.46556	7.616917	3.288336	3.437715	3.363326	3,512709	3.342108	3.491491	WATER CELL		3	SUPDEC	3.417058	3.566481	3.235880	3.349263	3-464252		ESTIWATED CELL	1	FELLMP	3.244083	3.386716	3.453045	3.140815	2.2A3452	3.207149	2,224605	3.367237	3.296934	3.473567	3.121341	3.263973	2 430303	3-195827	3.338459	3,262156	2 404700
3.252044	3-141590	3.321317	3.139622	3.215150	7 777760	3.241504	3.421232	3.131650	3.311177	3.125662	3.30\$010	3.235809	3.415136	FSTI			ACCNFC	3.233641	3.412969	3-123587	3.302514	3.30(747		ESTI	1.2	4	3.108362	3.281421	3.191616	2.538639	3.111699	3.04 F 24 R	3-114216	3.287375	3.223975	4.3965 E4	7.944554	3.117652	2.25756.5	3.104511	3.277570	3.214120	7.307170
3.602733	3. 129210	3.533415	3. 388345	3 553100	3.747.194	3.602326	3.796531	3. 238R02	3.533308	3.387937	3.582147	3.542077	3.736283	1		-	ANTNEO	3.591213	3.785418	3.327689	3.376824	3.571030			11		3.279587	3 404403	3.579615	3.027697	3.200739	1.154712	3.253341	3.476353	3-380356	1.553368	3.001450	3 1 20444	3-301478	7.293073	3.466085	_	1.502101
735	777	9 BEC	510	24.1	242	243	344	545	246	747	248	540	250					150	253	253	255	256					-		. 1	2	9		. 0	10	=	12		• •	14	11	18	19	20

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2.584789	2.970086	3.043028	3-066026	3,051325	3.124265	2.852216	2.925156	664016.2	1 026334	2,090.5	3.184466	3-157405	2.885357	2.958296	2.943595	3.016535	5.966594	2.039533	3.024832	2.825723	2.898662	2.883962	5.956902	3955	3.112456	20.00		:	UNNFO		3-170734	2.8986E	2.971625	2.956925	3.029864	2-052862	3.038162	3.111101	2.839053	2.911992	2.570231	3-132492	2.105432	3.090731	2.163673	5.891622	5.964562	2.040861	- CK 040 - C
3.273558	3.172924	3. 280370	3.464988	3.364354	3.548972	3.053275	3.237893	3 331979	2. 221120	3. 405947	3.335314	3.485932		3.178853	3.078220	3.262833	3.185665	3. 37 0283	3 454247	2-958571	14	3.042555	~	3.250779	3.435357	CELLS X VADIABLES	( į	:	CLPPIC	2 33/1/2	3.519381	3.023685	3.298303	3.107669	3.292287	3. 195732	3.299099	3.483717	2.588020	3.172653	3. 256623	3.370618	3.555236	3.454603	3.639221	3.143524	3.328142	2 227636	
3.256265	3.212325	3-267208	3-471910	3.385551	3.576654	3.064112	3.248815	3 367559	3.287228	3-471931	3.385971	3.570674	3.064133	3.248835	3.162876	3.347579	3.237758	1347746	3.531204	3.014663	3.155366	3.1,13406	3.298109	3.266137	3.453640	GREEPS - CE	. !		RESPND	24,4000	3.549583	3.043341	3.227744	3.141765	3.326487	2.461370	3.315410	3,500113	2.593572	3 005316	3-277317	3-417017	3.6(1720	3.515760	3.703463	3.193522	3.378624	3 303446	
3.442867	- U	3.377626	3.577640	3. 467821	3.667835	3.233928	3.433442	3.526137	3.275370	3-475384	3.365565	3.569579	3.135672	3.335666	3-225667	3.425881	3-210445	664614.6	3.5606 64	3.126747	3. 326761	21	3.416957	3, 263543	1.483557	MEANS. ALL			DEFNED	2 272729	3.573752	3.139845	3,339859	3.230040	3.4 50054	3-474622	3,364813	3. 564627	3.136920	5.036955	3.421130	3.422115	2.622129	3.512310	3. 712324	3.276417	3.478431	3 346413	
3.235195	3.158892	3.176348	3.318981		3.385311	3.073084	3 130414	3.282047	3-214473	3.357105	3.286802	3.423435	7	3.253841	3.177538	3.320171	45556	3 241324	3-403957	3.091733	3.234363	3.158060	3.300693	-	3.308849	STIVATED CELL		13	FZ COMP	1,212546	3.375179	3.062952	3.205585	3 221016	3.146739	3.289371	3.213367	3.355700	3.043474	3-109804	3.252436	3.245752	3.387925	1162	3.464255	7.142028	3.284061	2 2000 0	
3.107848	3.04439H	3.110466	3.283525	3.220075	3.393134	2 546143	3.050362	3-223411	3.080604	3.753663	3.196413	3.363472	2.511682	3.CR4141	3-020651	1.193750	2 250 20	1 154547	3.365427	2.517636	3.09005	3.026645	3.155764		3.250012	ESTIN		-		3.186662	55621	_	3.€86250	3.016840	3. ( 0.00 0.0	3.255567	3.192517	3.365576	2.512195	3-022754	3.195854	3,171091	3.244110	3.28(660	3.45:719	7.001320	3.1743BH	200000	H
3.214195	3. 241211	3.266827	3.439839	3. 393842	3.566854	3.014436	3.141052	3-214964	3.242816	3.415828	£ 859 £	4784	3005	3.163539	1.11.14	3 314640	3 395591	3 343585	51659	2.964679	1.137691	3.091694	3.264706	3.256332	3.476314			-	TNPRE	7. 18895 .	3.556329	3.004411	3.177424	3 304636	2.230066		157071	530083	7.978165		3.27R192	3.357797	3.530A39	4	3.657824	3.278916	2 1687 7 5		1111111111
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3.641578	3.256614		3.503385	50563		3.134337
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110101	3,18(342		3.465361	129155		2.890227
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3 3756 87	1.285551		3.555702	621858		7.745877
3 371783	2.167700		3.476788	925556		2,118761
2 644295	3.340259		3.626302	5EC629		2.104060
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18	1.57847	7.301636		1 469553	3.700334	3.63	3.63550	900895
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	3 200589	7.131714		3.555855	3.477239		60111	049243
-	2.4536.12	1.30411		3.400419	3.36/417	3.51	15927	122187
•	9.37971 A	1.1977#1		3.600433	3.552161	3.4	15253	3.107482
•	2. 942230	3.37(F40		3.450614	30400	3.59	11666	1780471
	1.5.16733	3.307.40		3.690678	3.63000	3.1	34215	2.938313
	3.679765	3.48044		3. 25, 6721	300000	3.2	88832	2.981312
	7.17777			3.456135	20176	3.1	66188	110006.7
,	3.300340		,	3.346916	200776	3.3	72817	1.034221
0	1 254 34 3		, ,	3. 446930	3.421.0	3.4	86813	3,101612
-	2.427355			3.547916	3.707.7	3.6	71431	3.1747.26
22	2.506959		, ,	3.747530	3.1367.	3.5	576757	1.160051
	3.679977			3.638111		3.	155415	1.5353
**	47975			3.838125	3.6516	3.5	91152	2.4609.2
	3. ROAGRT			3.474718	7.575	3.	444337	3.033882
5 5	3.255069			3.604232	14647	۳	34370	1610
	3.478081			3.494413	11364	3	52837	1760.
H 5	3.387084	3.225811	3.46125F	3.694427	11170.6			
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		u	STIMATED CE	LL MEANS. A	CACUPS	- CFLLS	X X	
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203	2.60777		1.5150	3.8747		34 3	1.224354	
204	7. 7A074		57 3.2728	17		906	3.406612	
502	7.22867.		16 3.3654			147	3.304037	
906	1.4010 P.F.		66 3.7 RGI			649	516267	
207	מברד בר	3.4146	25 3.471			678	100980	
208	4 5 20 6 4 5	3.282C74	74 1.24/103		03 3,731380	360	2.600247	3.173380
506	3.6534	3.4561	11 30 11			175	3.784865	3.246320
210	3-6474	3.3916	3506		98 3.83J	1,42	3.289168	2.974211
	1.8204	73 3.564	3.194	39 3.468	36.56	365	3.473786	3.041211
110	1.2665	55 3.116	3396	572 3.6CF	35 3 30	335	3.372153	016250.5
	3.4415	67 3.77	3.260	369 1.498	386	1328	1.557771	906550
215	1.1955	111 1.76	514.13	032 3.69F	54.5	1208	3.48055	3 12844F
216	1.566	797	175.F ACD	R75 1.64:164	178 3.63	1910	1.665210	3,113747
211	3.454	147 6	CAR 3.470	458 5.143	54.5	1444	3. 56454	3.1866Et
218	1.467	196.5	477 3.344	155 3.63	174 2.18	6654	3.74970	7.914635
219	3.421	2.570	697 3.48E	787	466 3.27	4112	7.25.500	77587577
220	1.794	300	11.6 3.17	1946		51839	2,41516	7.572877
126	1.247	229	1565 3.31			3.172856	3.33140	3.345816
222	1.619.	32% 3.22	1919 3.74			5755	3. 4315	3.38364G
123	1. 164 1/1	34.6 7.56	16:4 3.39			47228	1.404	3,16158
224	101	1189 3.75	F367 3.31			11111	1 5055	3.14
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229	1.218298	3,066645	3.212665	3.301211	3.274133	3.194463	2.947775			
23.0	3.391310	3.261764	3.355318	3.501225	3.458835	3, 379081	3.020718			
186	3. 345313	3.198254	3.279015	3.351406	3.372376	3.278443	1.006617			
232	3.518325	3.371313	3.471648	3, 591420	3.557579	3.463066	3.378957			
243	3.443941	3.264321	3.296471	3.435584	3.447758	3.385853	3.029015			
234	3.616953	3.437380	3.435104	3.635558	3.032461	3.570511	3.101955			
235	3.570957	3.373530	3.362800	3.526179	3.546502	3.465878	2.097254			
236	1.743969	3.546589	3.505433	3.726193	3.731204	3.654456	3,160194			
23.7	1,192051	659957 6	7.193267	3.292286	3.224663	3.158799	2.888145			
330	3 345043	3 247458	3.335860	3.452300	3.406366	3.343417	2.961085			
330	3 310066	3 204208	3.259536	3.382481	3.323436	3.242783	2.946384			
240	2.492076	3.377267	3.4.17169	3. 6 82495	3.536109	3.427401	3.019323			
24.1	3 4836 74	3.354516	3.267693	3.445082	3.476137	3.451007	3.101578			
1		3 7 3 7 5 7 6	2 410324	3 440094	3.660340	3.435425	3 174918			
141	מפטיניייי	30.46.00	3 33,333	2 636373	2 67.000	3 634.003	3 140217			-
243	3.613689	3.304123	3.334023	3. 2.2.2.11	000000000000000000000000000000000000000	3. 334446	1 2001.0			
244	1.783702	3.537184	3.476655	3.739791	3.155563	3. /15610	2.233150			
546	3.231784	3.084754	3.164429	3,305384	3.253342	3.223913	5.9611CB			
246	3.474796	2.257852	3.307062	3,505258	3.437144	3,408531	3.034047			
747	1.358799	3.194403	3.236759	3.395579	3,351785	3.307897	3.019347			
248	2.531811	3.567462	3.377391	3.595593	3.536+87	3.492515	3.092286			
340	2 457427	3 260471	2.248215	3.440157	3.426667	3.415343	3.042345			
7 10	2 43040	2 423630	3 355047	3 445171	2.011.70	1,599961	3.1152R4			
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	MINPRE	ZI ZI A	EZCCMP	USFNFO	0 t d 5 3 a	CLRPIC	UNNEO			
251	3.584443	3.37((80	3.314544	3,530352	3.525+10	3.499327	3.133584			
252	3-757455	3.543139	3.457177	3.720366	3.710113	3.683945	2.173523			
253	3.205537	3.096748	3.144951	3.256459	3.203572	3.188248	5.901475			
254	3.378549	3.263807	2.287583	3. 496473	3.386274	3.372966	2.974414			
255	3.332552	3.200357	3.211280	3.386654	3.332315	3.272233	2.959713			
256	3.505565	3,373416	3,353913	3.586668	3.437313	3.456851	3.032653			
			MEANS	ESTIMATED BY FITTI 4G	Y FITTI 4G MC	MODEL OF PANK	•			
		4 4	FAW PESTOUALS	- ROLS ARE	FULL CELLS .	- CCLUMNS AF	CCLUMNS ARE VARIABLES	٠.		
	-	2	3	4	5	9	7	w	6	10
	DMINED	ACCNFO	SUPDEC	SATHOF	ORCAFO	MESLEN	OUALVY	AMTNYZ	SPKGRA	PAPCON
		130000	211116		117770	745712	C. 487893	0.457366		-0. (79635
	10.02	0.740334	2 , 2 , 2 , 2	3 4334 34	2 251171	-3 160327	200000	-3-066626		-3.326238
	0.576367	575167.5	7454745	•	A 413070	0 130658	6 613511	C 870154	-0.173937	-0.408149
	+481 99-0-	0000000	10.010.0	210623	269636	200166	0.965547	0-474861		0.325976
t u	01000000	1 4366 66	-1 535368		-1-256461	-1.368585	-1-108833	-1.142320		-1.335872
	16/0001-	-0 46 1264	0.053626		-3.362488	-0.301524	-0.775255	-0.827654		-0.593445
	0 637593	766634	-0.621366		0.744876	0.811761	C.986911	0,918556		0.726618
- 0	343477	59160	0.420251	0.357054	-0.390883	0.620746	-0.049679	-0.144835	-0.144824	-0.355293
	0 00000	-1 2226 81	0 202080		-0-134419	-1.605767	- ( - 99764 3	-1.040158	-1.576815	-1,121168
	480000	-0.230.514	6.627091	0.610555	-0.227155	-1.196482	-1.035432	-1.392949	-0.112481	-1.201105
= :	0.546770	-0-410141	-0.522292	-0.565483	-0.367814	-0.387457	-6.072023	-0.157340	-0.184005	-0.283016
	01/040-0-	101000	701110	773666	778707	0.664524	-0-161683	0.375583	0.432893	0.597166
~ .	C. 480403	0 1000	0.001000	0.0536.00	10.00.10	7 66 01 76	1.011727	0.246525	0.861368	0.715255
13	0.486197	0.501650	3.7 18450	0. 22.35.40	0.40504.0	20110110	7.1706.6	0.554355		

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0.069443	0.789506	-0.292405	-0.051666	0.183355	-0.031889	0.331031	-0.168610	-0.35%12	0.260451	0.501190	0.077334	-0.008411	-0.104815	0.317084	0. 735173	0.061891	0.457805	-0.101379	0.727513	0.035947	0.191896	-3.175677	-0.072845	-0.238586	-0.502325	0.001478	0.218340	-0.116459	0.219812			:	PPPCON	-0.139449	0.698703	-0.005700	0.174000	0-192089	0.042849	-0.058895	0.209125	-0.169437	168504	-0.093207	-0-230674	-0.173144
-0.106289				0.128673	616606-0-	0.426244			-0.017699	-1.559525	0.05420	-0.016010		-0.083906	-0.155431	0.086504	0.373596	-0.140786	0.769722	0.039802	0.054308	-0 228414			-0-147291	0.081185	-0-195667	0-316963	0.324226				SPKGRA	0.415733	0.808543	0.177083			0.031363	-0.144329	-0.108469	0.056848				0071010
0.167078	-0.096314	-0-150104	-0.022385	C.131230	-0.098828	0.061667	-0.229760	-0.311333	0.001544	-1.537405	0.036675	-0.063039	-3.072411	0.410380	-0.153012	-0.006571	0.00 54 54 B	-0.194129	-0.215307	-C.043748	0.080052	C. 231033	0.021254	-0.131073	-0.324329	-0.111530	-0.135151	0.252815	0.241545		· .		AMTRYZ	-0.057404	-0.214585	0.152282	-0.33 (623	-0.237627	0.043766	0.054858	0.095977	0.023016	-0.112423	0.824186	105671 0-	100241.6-
	-0.120617		-0.008864	0.225127	-0.861463	0.257890	-C.592672	-0.083807	0.211736		0.059167			-C.079623	C.883786	3.358641	0.148715	-0.180083	C. 823652	0.086105	0.060950	0.044233	-0.289918	-0.316911	-0.320969	-C.048035	-0.204361	0.030576	0.187925		COLUMNS ARE VARIABLES		OUALVY	C.370802	-C.203578	0.227840	C. 198243	-0.301386	0.061615	-0.016641	-0.023523	C.021226	-0.092388	0.871022	-0.156562	-0.0000-
3.556281			1.111628	-0.221054	-0.245402	0.382173	-0. 698994	0.146355	3,159641	-0.507284	0.090665	-0.244816	0.070098		-1.224074	0.039124	0.080274	0.025623	-1.319031	-0.013439	0.058565	0.105569	0.146142	-0.246575	-0.587988	-0.159956	-0.172518	0.135654	0.314336		- COLUMNS AR		MESLEN	0.014078	-0.263651	0.259580	0.044040	-0.030263	0.048154	-0.132444	0.258561	-0.122119	3.495167	0.604152	-0.103466	-J. 5H166J
0.106776		0.678381	C.95C185	0.208088	-0.001335	0.239217	-0.733540	0.157364	-0.325571	-1.052767	0.058548	-0.045081	-0.134727	0.318236	-0.317523	0.314278	0.119351	0.003073	-0.382389	-0.004635	0.383332	0.078239	0.118392	-0-176315	-0.150835	-0.062785	-0.062930	-0-14/219	0.117008		- 1		GRONFO	-1.144521	0.627384	0.321957	0.012072	-0.052497	0.037284	-0.140142	0.260936	-0.025541	0.851526	0.715767	-0-230431	-0.6567.0-
-0.180513						0.339898	-0.545569	0.628984	-0.464429					0.634168	0.449085	0.087635	-0 121817	0. 675463					-0.040451	-0.042542	-0.345016	-0.005289	-C. 3384E8	0.005521	0.045762		- POWS ARE FULL CELLS		SATERF	-0.264778	0.456725	0.027156	-0.014530	0.012600	0.093672	0.127340	0.380940	-0.122324	0.229802	0.544720	-0.356405	C. 17.1.7
0.605653					0.014789	0.035800	-0.823735					0.044746			0.577450	0.120215	-0-11/34/	0.127260	0.550917	-0.086706	3.336542	-0.047410	-0.066207	-0-113346	-0.113739	0.018731	-6.135848	-0.23//60	0.244113		RESIGUALS		SUPPEC	-0.162619	0.613009	-0.125482			0.154795					-0.335026	-0.180082	3.24H*1.
-0.011150	-0.390518	0 306360	0.901032	0.215616	-0.18037A	7871940	-0-101878	0.227885	-C.365548	-1.580566	-C. C12894	0.014347	-6.151652	-0.12392R	-0.303256	C.137666	0.137614	-0.156762	0.707174	-0.105563	0.016718	-0.115580	0.015126	-0.188812	-0.20721R	0.080022	0.116543	0.271115	0.253550		F.A.		ACCREC	-0.083735	6.135165	-0.187654	0.017554	0.414473	-0.031721	C. 174368	-0.357205	-0.091556	-C. C65332	-0.744660	-0.135558	-0.070.41
-0.108484		0.647380	0.905904			-0.073879		0.308830	0.126162	-1.082576		0.014052		0.733423		0.026080							0.041309		-0.221755	-0.035309	-0.157313	-0.040857	0.313930				AMTNEO	3.248226				· 2	-0.010375					-0.344760	-0.153429	-0-103190
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		-0.021247 -1.21265 -1.107561 -0.708185 -0.895116 0.4708185 -0.1739495 -0.059997 -0.059997 -0.059997 -0.059997 -0.059997 -0.059997	0.160793 0.160793 0.160793 0.121303 0.121303	-3. 385571 -0. 43467 -0. 173467 -1. 82523 -0. 416247 -0. 38503 -0. 15548 -0. 225521 0. 134505 -0. 324450
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		0.519957 0.519957 0.5199565 0.3104665 0.275950 0.275950 0.075950 0.075950 0.075950 0.075950 0.075950 0.075950		-0.199507 -0.199721 -0.196721 -0.1967721 -0.079787 -0.079787 -0.079787 -0.079787 -0.078787 -0.078787 -0.078787 -0.078787 -0.078787
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Control   Cont	0.187151 -0.447107 -0.041188 0.303887 -0.05699 -0.05699 -0.058917 -0.058917 -0.078787 0.446402			-0.053067	-6.130753			-0.350195 -0.222477 -0.375482 0.291090	0.132779	0.257742
0.0132244 0.0197845 0.0576104 0.0197840 0.0197841 0.023747 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.0197841 0.01978	87151 121982 121982 141188 103882 105693 176693 176693 176693 176693 176693 176693 176693 17693 17693 17769			0.053667	-6.130153			0.375482	0.310388	0.239643
Control   Cont	41707 41707 71982 63882 56990 70593 70593 157821 157821 157821			A 55110 84	4	î		0.291090	0.038863	
Control   Cont	41707 41188 03882 56990 7059 7059 77059 77059 7719 57196 57196				10010700-	1776		0.291090		146/68
Colored   Colo	11188 13882 56990 70593 58917 57821 74719 52196 57767	0.55000			-0.052901	201030		A 2002 C		0.155707
Colored   Colo	56993 56993 56993 56993 57719 46402 57196 57767			0.13:626	C.161340			-00000	-0.475277	000000
Colored   Colo	13882 10593 10593 10593 14719 14719 146402 52196	-0.055330		0.32,295	0.354463			-0.112700	-0.046802	-0.53330
	6993 0593 18917 14719 16402 52196 57767	C.726165		0 161121	-0-197962		2000		-0.474022	-0.58131
-C. 441ECT - 0.557287 - 0.045787 - 0.055487 - 0.055487 - 0.055787 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887 - 0.055887	0.593 0.593 1.582 14719 14719 16402 52196	-0.286456			7 285775		106666-1-		-0.537143	-0.070791
	14719 14719 16402 52196	C 26.26.74		-0.343/10	301730		-0.329828		787726	0.074041
	18917 14719 16402 52196 57267	103177			-0.354105	-A MISTAT	C.097544	0.220433	0.306.5	-0.174537
Control   Cont	14719 16402 15402 15196				-0.0450-0-		-0.105713	-0.C16252	•	2 272746
0.554599   0.174917   0.527187   0.194589   0.194589   0.194589   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194699   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599   0.194599	14719 16402 12196	0+96 66-0-		-0.003737	0.015164		010705	-0.238282		
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-0.052278	0.118449	0.630413	0.686373	-0.221843	-0.506546	-0-153920	0.328344	0.334560	0.649383	0.050154	0.000973	-0.108224	-0.026421	0.028429	0.092353	-0.492536	-0.277239	-0.134.185	0.225656		- CELLS -			RESPAU	-0.113221	0.034321	-0.135862	-0. 321334	-0.043066	0.215088	601100.0	-0.416512	0.148765	-0.154663	0.296358	6.132558	0.198255	C. 3561H3	0.015620	12+6+0+0-	233262	0.032792	0.118090	5404040	-0.113987	-C.32C758	-0.467645	-0.355371	0.065993	0.552242	-0.255128	0.453458	-0.016919
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-0.437883		0.686930		-0-115732	-1.205411	0.173919	0-334241	0.386159	0.713146	0.059324		-0.0RR035	0.001030	0.068648		0.119411	-0.353602	-0.065492	0.158881					MINPRE	57152000	-0.086653	-0.050404	04600-0-	-0.054343	0. 458459	1400000	-0-383975	0.081932	-0.389A04	0.346275	0.392272	-0.030740	-0.020445	245950	1001601	249666	0.255901	0.032789	0.128786	-0.210893	-0.734894	-0.428914	0.069463	-0.036887	0.056059	0.383047	0.229043	-0-172540
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	10 PMPCON	-0.097486	-0.499645	-1.635338	0.889506	-0.434940	-1.470355	-0.346461	3. 875595	-0.101326	-0.260058	0.966491	-0.357954	0.224459	- 3.039038	0.405239	-0.206408	-0.440227	0-518837	-0.035806	0.084670	-0.010296	J. 288165	0.899978	0.086466	0.075766	0.560433	0.890601	0.044005	3.234914
	SPKGRA	0.346789	-0.226266	-1.578084	I. 205498	-0.188394	-0.146320	-0.239363	1.120509	-0.393862	1305		7705			0.554479			-2.028706			728020-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-					0.420950	•	0.051776	0.070646
	B AMTNY 2	0.624759	1.115498	-1.464351	1.177566	-0.185666	-1.462343	0.201696	3.319868	-0.864273			-0.028696	0.168225	-0.126689	0, 075052	-0.294531					-0.092825			-0.006930	0.1044.02			-C.056CB2	0.132623
-C.025055 C.127408 C.127475 -C.08471 D.038895 C.96595 O.273445 D.202898 D.202898 D.104255 -0.234808	00 AL VY	C.612321 -3.827729	1.146468	-1.391624	1.238608	-1.252076	-1.299504	-0.090392	1.131699	0.833571									-1.847478		0.046051					7.186663			C.108064	0.076495
0.085305 0.085305 0.085305 0.08511767 0.085813 0.523913 0.085873 0.017278 0.478418	MESLEN	-3.438307	0.586303	-1.484736	0.980655	-1.746388	-1.298027	0.720922	3.477534	0.603493	-3.254655	0.943367				0.414604				0.058359	-0.265594	0.076047	1.049335	-1-327560	-3.142445	0.087087			-0.014583	0.063535
6.113607 0.316435 0.037540 0.037540 0.055256 0.055661 0.037640 0.037840 0.037840 0.037840 0.037877 0.037877	CRONFO	-3.710510	0.421754	-0.413713	0.350138	-0.153414	-0.259141	0.888750	0.467500	0.121365	-0.261342	0-774247	1.364461							0.366322					3. 326435					0.095176
999 -0.113847 0.038C58 C.113607 0.113956 -C.02 153 0.17107	SATHRE	0.405052 -4.105260	0.361778			-0.344248	- 3-1/12/12	0.926111	0.104257	-0.716531	-0.438542	-0.50554	1.(71216	-0.262022			0.754483			-0-044173				•			0.035318		•	-0-1:5889
0.113847 0.7107C 0.27516 0.057591 0.62438 0.62438 0.185456 0.058375 0.187875	SUPDEC	-4.545201	0.264276	0.071176	0.569788	0.268225	-0.692249	0.744888	0.365633	0.809205									2.1 13954				0.301080							-0.062928 -
0.130099 0.324634 0.324764 0.742147 0.742147 0.1102576 0.1102576 0.1102576	ACCNED	-4.C816CR	C.538C13	-0.552876	0.725778			0.602124	0.730139	-0.014621	0.991001	-0.486601	1.128589		0.5Pe131					0.017577			-0.375678		-0.092573 -			0.5766.66		
0.029147 0.017500 0.010819 0.259579 0.171700 0.171700 0.108057 0.108057	AHTNED	0.708445			0.462564	-1.213851		0.511994			0.864598		0.258315		-0.032139	·			0.047526			-0.077582					0.045536			'
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	0.62471	0.042872		0-134781	0.158545	-C.015891	0.027246	-0.062174	-0.08911
748010	1	1		-0.201802	1057.92.0-	-0.397735	-t.16E024	-0.290284	-0.292010
758467	-C. 254768			-0.172150	-0.637891	-3.402827	-0.415760	5016100	200000
0.047119	0-100267			-0.071657	-0.173531	-C.060285	1162911	0.105609	247284
122112	146728		-0.405929	-0.071823	-0-187159	-0.256480	-0.17E43C	-0. 254554	007107-0-
000		1	0.007102	-0.168323	0.150043	0.288202	0.232806	1068570	168087.0
20000		-0 200742	0-136305	-0.216458	0.147167	C. 038374	0.375362	0.412320	006741-0-
0.472527	C.367817	0.324017	0.055690	0.133543	0.341014	0.235853	0, 305638	0.421769	0.269087
	0	VAT THE THE FEW	FEV. UNITS		- FULL CELLS X VARIABLES	IABLES			
	•	LONE S IN S				1	-		
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ANTNEO	ACCNFC	SUPPEC	SATARF	CRONFO	MESLEN	DOAL VY	AMINAZ	SPKGRA	r r r r
		976916	-0-3174CB	-1-316259	0.015273	0.465370	-0.124863		-0.170709
1000000	0 03506	0 813650	0.547853	0.715700	-0.286027	-0.25545E	-C. 275079		0.855333
120540		-0.166555	0.032622	1	0.281610	0.285947	0.195211		-0.011874
0.170213		-0.077093	-0.017430		0.047831		-0.432819		
-0.288143	0.51933	0.144173	0.018713		-0.039300		01 4587 0	0.230330	
-0-492233		-0.253204	-0. CF3346	•	-0.192282	•	-0.304610		
-0.013965	'	0.205462	0.112362		0.052241	C.077325	0.056028		
0.047110		-0.048121	0.152747	-0.1	-0.143685	•	0. 121651	-0.161102	0.256005
0.177363	'	0.035539	0. 45EC4R		0.323900	•	0.123034		
-0.109784		-0.051601	-0-146731	1	-0.132483		-0 144116	•	0.506082
0.470867		0.451762	0.275654		0.537191	1 003163	1 056531		-0.206278
-0.463484		-0.410177	0.653405		0.817400	'	-0.130923		-0, 114102
-0.475690		-0.239027	-0.475458	10.263331	-0-631025		-0.183699	1	
-0.13887	-C.CEE764	165626 0	0.272120		-0.168303		0.398347		
0.400421		-0-116522	-0-265776	•	-0.158555		-0.003352	'	
0.00444		0.692807	-0.61F741		-3.242719		-0.167252		•
853737		-0-734054	-0.730754	•	-0.336792	O.	1.045704	'	0.008490
0.161151		-0.268673	-0.353043		-0.001584	•	-C-555423		854831
0.535628		-0.570202	0.037506		-0.251661	'	-0.183282		
0.469496		92090000-	0.525616		0.739135	2,463173		0.174808	'
-0.136787	7 6.554124	0.364921	-0.025479	-0.872344	0.219200		'		
-0.061692		0.45847	0.152212	770511-0	130587	'			
-0. 329714		-0.397455	166687-0-	-0.334034	0.089445			'	
0.551134	٠	0.31H674	10.10.10	1,040,0	0.063031		-0.283757		7
0.78974	0.653629	0 44375	0.257104	0.610993		'	ľ		
0.273619		-0.266566	-0-257604	-0.254070	Ċ			0.24487	
20075		0.37579	-0-119773	0.161344	•				-0.13 (631
740040		-0.292361	-0.343016	0.020342		•	'		
-1 662039		-0.453773	-0.231826	-0.230012				001617.00	
-0.395511		0.09034	-0.009362	0.175312			-0.103/22		•
0.689030	'	0.776946	0.568313	0.781245				-0.212180	
-1.8C7571		0.875690	0.676270	-0.310653	•	0 304476			•
-0.444783			-0.240720	-0.603073				•	- 1
0.415436		-1.536628	-1.062494	-1.138455	-0. (09512				
0.610691	0	-0.0 80564		0162640			1		
401646-0	٠	0.606038	0.424821	0.053372					÷
0.292413		3.375HBZ							
-0.641941		0.077610	0-087290	-0.098433	'	•	1		
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0.02871 -0.02871 -0.341183 -0.341183 -0.59397 0.165175	10 PMPCON	-0.061240 0.275881 -0.201931 -0.160954 0.236965	0.259108 0.135284 0.647096 0.037427 0.141182	0.168119 0.123489 0.431950 -C.280410 0.462311	-0.50954 -0.50464 -0.31551 0.288468 -0.179057 -0.190612 -0.21719 -0.711632	0.213664 -0.335112 -0.027328 -0.301535 -0.358360 -0.013607 0.22699	0.349777 0.861589 0.180604 -0.259392 0.243823 0.143549
0.305734 0.305734 -0.067415 -0.267351 -0.125323 0.138730	9 SPKGRA		0.053350 -0.233559 0.974247 -1.580803 -0.083920	0.306766 0.272853 0.319500 0.226457 0.175984	-0.892507 -0.335125 -0.172726 0.403768 0.050555 -0.618264 -0.050883	0.25427 0.355427 0.355427 0.365427 0.188946 0.188946 0.025438 0.0257777 0.025442	
0.057381 0.244328 0.11255 0.004453 -C.461382 0.038842	E APTRY Z	0.254487 0.254487 -0.001788 -0.181659 -0.267959		0.176570 0.264214 0.276522 -0.125217 0.250687	-1.00E611 -0.48918 -0.285155 -0.486461 0.373151 -0.33586 -0.144471 -0.375683	0.282575 -0.265450 -0.365450 0.040585 0.138354 -0.144332 0.357236	0.2457E3 0.215042 0.215042 0.247291 0.0247291
C.083456 C.001377 C.001377 C.0137483 C.185500 C.356925 C.137405	ABLES ODALVY	C.208904 3.296962 C.026568 -0.018954	C.368052 -0.395451 C.813662 -1.384155	C.146976 0.158102 C.470354 -C.830603 0.278264 C.169591	-1.024199 -0.263313 -0.254921 0.407101 0.078796 -0.110966 0.052285 -0.752971	0.122421 -C.132674 -C.132674 -0.531633 -C.215881 -C.22048C -C.089667 -C.085521 0.155521	0.310379 0.310379 0.310379 0.154977 0.086106 0.140576 0.129516
-0.029923 0.378327 -0.314609 0.079333 0.089081 -0.135952 0.174439	- FULL CELLS X VARIABLES	0.131597 0.200906 0.114393 -0.092833	0.188625 -1.584794 0.520154 -0.993998	-0.169183 0.239994 0.353146 0.145923 3.241919	0.25080 0.25080 0.291095 0.291095 0.291095 0.23820 0.23620 0.689247	-0.038902 -0.029055 -0.227140 -0.227140 0.458528 0.158312 0.034755 0.172332	0.040787 -0.700773 0.349370 0.147334 -0.023059
0.112834 0.043988 -0.498854 -0.542628 -0.127914 -0.048116		04204217	0,295430 0,295430 0,613142 -1,049614	-0.341194 0.359348 0.123737 -0.031267 0.192317	0.037190 0.037190 0.0328157 0.050377 0.164140 0.404146	-0,056013 0,017306 0,073194 0,073194 0,092321 0,045203 0,045203 0,045203	0.045106 -0.235992 0.730079 0.117284 0.008758 0.233063
0.1137CR 0.250699 -0.002673 -0.267861 -0.55880 0.050563	D. DEV. UNI	0.146410 0.107333 0.010265 -0.304018	0.249601 -2.550544 0.226258 0.036336	-0.476276 -0.476276 0.393142 0.37101 0.171090 0.164728	0.026835 0.026835 0.0669436 -0.0669436 0.156689 0.35689 0.315253 -0.418358	0. 257513 0. 626370 0. 626370 0. 274413 0. 272677 0. 193901 0. 689911	-0.066652 -0.548219 0.425295 0.430471 -0.038333 0.057595
0.358421 0.394294 -0.234115 -0.182218 -0.380497 -0.15286	RESTRUBLS IN STO. DEV. UNITS	98-00	-0.107600 -2.66066 0.459959 -0.768623	-0.846101 0.524272 0.291185 0.09290	0.5626418 0.5626418 0.5626418 -0.103015 0.130125 0.056965 0.0414578	0.26291 0.064712 0.265623 -1.541197 -2.38620 -0.1164931 0.116750	0.001953 -0.382715 0.746307 0.104785 0.252635 0.027080
0.042017 0.223018 0.170201 -1.194329 -0.416629 -0.0330655	BESTI	-0.027370 0.027370 0.104659 -0.312607	0.055020 0.395222 -1.636237 0.645058 -0.063276	0.246162 0.246162 0.266326 -0.277620	0.108268 0.586780 0.586780 0.105644 0.1056728 0.366728 0.36878	-0.12557 -0.12557 -0.12557 -0.12557 -0.111645 -0.064286	0.090114 -0.791705 0.663057 -0.071679 0.720243
0.442506 0.442506 0.150330 -0.707525 0.032560	- 2	0.0907181 0.090849 0.049084	-0.161995 0.268809 -2.920146 0.183286	-0.037194 -0.027798 0.1393498 0.132111	-0.070394 0.394046 -0.751897 -0.0597198 -0.05587 0.409004 -0.346483 -0.346488	0.071643 0.071643 0.58643 0.28543 0.08103 0.08103 0.08103 0.08103 0.08103	0.00707 0.216961 0.628537 0.332978 0.332978 0.332906
45 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		101	105 107 108 108	113	116 117 118 119 120 121 124	127 127 126 130 131 131	135

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MINDRE	TINIA	FZCOMP	USFNFC	RESPND	CLRPIC	UNNED
0.666525	0.601637	0.521512	0.142089	0.367982	0.481091	C-132573
-4.100407	Ċ	-4.085194	-4.154881	-4.117656	-4.266320	-3.226542
-0.697662		3.357547	-0.2084P5	0.427412	0.563025	0.343141
0.898728		0.339867	0.756872	0.824006	0.315274	-1.020531
-1.869735	•	-1.765171	-2.005710	-1.856206	-1.923346	-0.115552
-0-83422R		-0-735712	-0.708555	-0.677586	-0.653174	-0.263237
-0.505646	•	0.910576	0.632093	0.672569	0.759430	C.926041
0.489770	0.665604	-0.495552	0.350476	0.452538	3.525749	C.850066
-1.574835	-0.119079	-1.451736	0.147879	-0.242143	-0.354880	C. 528010
0.725611	-0.237234	-1.533594	0.642874	0.731501	0.804573	-0.053461
-0.687302	•	-0.475513	0. 806747	-0-675805	-0.694865	-0.129436
0.670663		0.846012	0.628923	0.610852	0.732456	0.076842
70102 0		702200	70007	720000	20000	200000
0.100.00		0.00000	00000000	0.0220.0	000000	6.438323
74407-0-		01.660.0-	00.712.00	0.12141	U. 37300I	0.120342
6.770789		0.499819	0.635704	0.431529	0.524447	-(.590173
-0.468925	•	-0.416667	.0. 56 F3 16	-0.533267	-0.468688	-0.041178
0.790104	0.866253	0.911603	0.172349	604051.0	0.924446	1.015751
0.581855	C.675741	0.735580	0.530731	0.570378	0.690765	-C.101841
0.042515		1.120855	1.054853	1,173867	1.318196	0.181529
0.092720		0.411924	0.060147	0.377868	0.209974	C. 04559C
-0-276017	'	-0.381152	0.34253R	-1.751339	-1-310560	-1.513874
3.742279		0-124382	0.36 28 9	0.359511	0.420109	176576
0.018174		0.154043	0 083479	0 104267	0.246702	1.00000
-0.058061		000000	-0.112103	136181	-0-142145	304960
-0.003692		283349	636666	0 712133	0 253460	0.152241
-0.437431	'	-0.233287	0.680980	-0-337226	-0-40130R	-0-115725
0.628115		-1.904807	-1.366156	-4.566167	0.648342	-0-873971
0.028405	'	0.012985	0.057564	0.068381	0.037190	C-047895
0.015709		0.051708	0.064398	-0-048028	-0-014400	0.082057
0.036518	•	0-044191	0.076645	0-071473	0.038283	6-000185
0.010643		.0.026031	-0.020140	95620-0-	-0.038638	11000
-1.331141	'	176278	C. 267673	0 364623	1 084 10	7 433467
0.847943		-0.351301	6 300 57	74725	DU RENGUE	-1 005503
0.080434		-0.017810	950000	0.027038	0.050493	-0.047945
-0-113513	'	719956	0.365040	166154	-0.105012	407740 0-
0007160		6 2480 2	23166.7	203604	0 217673	206.336
004466		20000	142500	0 117364	0 230567	-0 071146
744440		000000	631590	163.00	790057	1 010503
240041.0		0.0714	201100	1001301	200000	1.019963
20000	•	0.011034	-0.003328	106901-0-	-0.015565	0.0000
0.041454		0.112755	0.003634	0.037454	-0.008986	C.01058H
-0.359051		0.168621	-0.3E213	-C.112777	-0.359541	-C.108391
0.012698	0.04(894	-0.139843	0.136228	0.091401	-0.012827	-0.006529
-0.133599	-0.117649	0.043451	-0.118644	C.018162	3.134335	-0.096424
-0-142091	-0.243852	-0-123645	-0.117632	-0.037119	-0.239255	-C-165750
0.251569		-0-8298×4	-0.267589	-0.360173	-0-38672B	-C- 343881
0.046125		-0.024501	-0.000.0-	881 410	-0.041778	0 12 17 02
2100000		100000	20000	0000000	011100	201621.0
-0.411178	'	0.304740	-0.74483	861251-0-	-0. 30 7406	-1.117785
-0.740616	•	0.243140	0. 36/176	0.138344	0.347735	0.087707
0.007830		0.212925	-0.055165	-0-057188	-0-147613	C.203282
		1				

RESIDUALS IN STO. CEV. UNITS - FULL CELLS X VAPIABLES

17 UNNE 0	0.126600	1.031579	-0.194242	C. 397966	-0.35506c	C.055718	0.052760	0.584090	0.428401	0.036741	C. 028058	3.568685	C-175759	0.928382	1.173857	.270936	0.469689	0.123286	-0.723902	C. 055433	379830	-6.201641	134007	C.187020	1.362558	C. 394415	.028164	-6.124210	346138	.346763	0.630133	.554158	3.337637	C.135491	0.168866	103921	-1.277277	.311635	-0.157826	LES	
CLRPIC	-0.099369					•			1			•		,												0.282142								•			-1.549113 -1		0.218928 -0	CELLS X VAFTABL	
15 RESPND	-0.146981	0.706632	0-367607	0.005063	-0.095341	-0.015350	-0.012318	566441-0	0-473782	0.845388	-C.288982	0.046315	0.330188	-0.605788	C.467857											0.141105													0.268319	- F JLL	
14 JSFNFO		0.645534										-0.017359																			0.258923	0.661307							0.167389	STD. CEV. UNITS	
13 EZCCMP	-0.138736	0.837487	-0-038435		17035										0.727282							-0.599254			4 76 15				-1.363143	33313							0.210354		0.067637	STOUALS IN ST	
MININ	C.C26214	0.801538	0.232753	0.151933	-0.465609										-0.359797				-0.153550			0.530354			-0.335581		-0.146134	-0.127523	1.187139	C.286417	458B						C.C73611		0.294937	PFCI	
11 FINDRE	-0.083215	-0-444348	-0-100115				0.319869						10677901			116477-0-			0.463112		0.494704	0.341820	0.042140	-0.490954	-0-431722	0.232603			0.209341	0.402314	0.444805	0.071407	0.075289	-0.105565	0.082629	0.031722	0.143730	10.0000	0.191240		
	15	23	24	55	\$ 5	, ,	50	60	3	. 29	63	*	4	14	6.8		==	72	23	12	16	11	10	9.0		H 3	84	85	27	60	6 0	0.5	45	60	0.0	95	16	200	100		

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	-																												-											-	0	SPKGPA	0.861922	-4.048665	-0.321948	0.728786	-1.583357	1.209736	-0-183969	-2.917163
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-(-111955	-0.130062	C.175565	0.019466	0.034778	C. 033204	0.414759	-C-187024	-0-126952	-6.328012			•	C.698480	-0.143828	-0.441000	0.041034	0.026 755	1.332100	11164-0	C.065969	-0.587511	-0.391517	-0.673809	-0.159534	C.490585	-3.136198	-0.507532	C.130744	-3.326.398	0.132710	0.153612	C-040511	1.306152	C.284825	C.211342	3.393534	C.108594	096447.0-		LES	 1	DUAL VY	1.521884	-3.839959	1.631308	1.722771	-1.3962/4	1.242962	-0.062539	-1.783672
-0.227835	J. DR4496	0.160187	0.121238	-0.744517	-0.019840	0.016692	68614.0	0.028305	-0.455975	0.461031	0.271969	0.354727	0.160238	-0.127650	-0.159766	-0.089336	-0. 300016	10.024338	0 651133	-0.209947	-0.310220	-0.586448	0.414904	0.054647	0.144432	3.543628	-0. 647902	-0.105143	0.143151	0.107976	0.393836	-0.283419	0.748656	0.406940	-3.126526	0.159071	0.6051873	10660000		S X VARTAB	 40	MESLEN	1.125432	-3.449293	0.215581	1.402195	-1.7435651	0. 583751	0.675484	-2.483669
-0-134877	0.340885	-C.126110	-0.025414	-0.051304	0.256229	16,080.0	10454180	0.177244	-0.184246	0.353807	0.158389	C-236176	0.114576	0.022181	-0-168974	*0.555.0-	255547	6.140477	0.681336	-0-135790	-0.382111	-0.557354	-0.114328	0.102441	0.657872	-0.356343	0.540241	-0.020155	0.135337	0.043880	0-008683	-0.301442	0.669301	601811.0	-0.024374	0.118539	0.551672	5,515		- FULL CELL	 5	ORDNFO	0.455844	-3.722467	0.995593	6555550	-3-937477	0.853127	-0.447482	-3.219162
0.146868	0. 187507	0.015112	-0.087121	-0.416676	0.174738	100.00	-0-166838	0.(61323	0.117627	0.013282	0.145944	-0.055674	0.105648	-0-163741	-0.115882	-0 463339	0 0 0 0 0	0.065641	0.447503	-0.201382	-0. 395333	-0.520211	0.158529	0.158512	0.017332	0.037048	0.572378	0.158188	0.046022	0 1 5 4 8 4 7	-0.012570	-0.358905	0.5;7481	0.211239	0.050310	0. C3FR35	0.447212			STAT STICS	 4	SATRE	1. CC € 731	-4.118378	C.665932	1.677680	-1-452596	0.668754	0.465747	-0.485581
-0.023716	0.077194	-0-129926	0.026309	-0.255249	0.534380	1067001	-0.508314	0.138358	0.158538	0.038610	0.132176	-0.351773	0.073848	-0.045285	1877710	-0 236465	0.274187	0.448395	-0-116197	-0-189378	-0.535103	-0.417788	-0.060404	0.092667	-0.365876	-0.953268	0.292729	0.081445	564741.0	0.157368	0.011074	-0.202923	0.855158	0.278753	0.022514	0.225872	0-272484			PESTICUALS AS T-STATISTICS - FULL CELLS X VARIABLES	 6	SUPEFC	1.046812	4625554-	-0.135236	-2 331284	0.161285	-0.561754	0.571493	0.381464
-C.204538	0.080567	-0.154628	-0.255721	-0.363657	0.358627	-0.494777	0.112612	-C. (14054	-0.412635	C.3C7289	0.375666	-0.345653	0.234518	0.102264	122224-D-	-0-121112	0.228499	C.C41647	-0.159149	-0.255871	-0.215102	-0.388067	-0.356E6A	0.135428	0.254055	C. ECE 498	0.243657	0.026345	6 140643	6.363772	-0.017633	-0.091405	C. 8CCC14	-0-110574	0.120652	6.201424	0-261500			FFSI		ACCAFC	0.148520	-4.094650	-6-178767	-1.705544	-1.252623	0.556786	C. 73C561	-2.157147
0.027899	-0.104301	-0.060670	-0. 141 508	-0.065411	0.611144	0.385207	-0.467177	0.098582	-0.469193	0.416799	0.472164	-0.037001	504470-0-	HCCHOLD.	000000	-0.323253	0.367899	0.039467	0.155015	-0.253845	-0.282733	-0.516269	0.087611	-0-046394	0.067476	0-461060	0.275691	189707-0-	0.05321	0-283420	0.013022	-0.278990	0.716426	0.146769	-0.047581	0.174046	-0.247398				-	ANTNEO	-0.304981		11537621					-1.726338
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-0.347600	2.371340	1.530037	-0.230115	0.192727	-0.260954	949695-0	V 25 01 37	0 0000	-0.063610	0.799721	-0.088360	-0.491848	1.573437	70 AF 07 0-	070100	-0.991949	*****	0. €77102	-0.654694	1,168215	-0.067464	178002	71.1.03.1.	11466 0	0.905035	1.118523	0, 502753	2.737196	-0.689112	3. 696166	0.498097	2.558963	0.307270	-1.468072	-0.655713	-2.235575	-1-652189	0.010463	00 4000	-1.6000589	1.198641	-0.484742	1.075490	
	1.826684			-0.313465	-0.737070	110830	0001111	-0.2 78622	1.192343	0.596369	-1.500220	9000000	7 162897	1 455517	100001-	-0.438501	-0.057370	-2.900173	0.128919	0.460267	875.7C	0.15021.0-	-0.410300	-0.155981	-0.203328	1.462404	0.159743	2.355950	-1.016920	1.337549	0.586058	0.889856	0.270033	-2.028331	-0.457178	-2.271906	20 514794	-0.514194	0.601090	-1.524224	0.997692	1.401945	1.685727	
	1.578411	C. 55E946	-1.962803	0.485567	123871	10.12.01	1.174575	-0.193055	-0.028860	0.595365	-0. 264752	664499	000000	0. 300 30	-1.004414	-0.904719	0.004930	-2.817412	0.704926	1 434017	1.43691	*** 7064 .0-	-0.852923	C. 751789	-0.157253	-0.115602	0.025207	2.088323	-1.381813	-0.287888	-0.634794	1,292555	0.665034	-1.815882	0.206346	1 286066	23003.1-	-1.117057	-0.821068	-1.068492	0. 554724	1.27 €2 €1	1.237564	
		1.977561	1 477618	2 037162	2011000	-0.15161	1.105747	-0.199464	-0.311188	1.006667	2 447148	0070000	0000000	1.256689	-2.536556	-3.238434	C.662133	-2.641096	1 257727	1.37166.1	0.568267	0.379528	-1.305703	-0.142807	1.115416	0.952049	-6.285099	7.911576	-1.254957	1 16 11 7 1	1 223194	0 063524	125405	- 2 483821	116867	2001100	-1.044356	-1.082307	-0.348743	-1.535882	1.231416	0.130475	0 00.26.56	0.942000
-1.302746	1	0 836655	10000	1.0001	1. 368187	-0.255493	3.546446	0.738572	1.212887	0 05 77 30	20160.0-	266209-0-	0.996583	1.605759	-2.586022	0.359928	0.431535	-1 407102	701/04-1-	1. 198438	-0.382108	-1.611266	0.698756	1.499099	-1.335423	2,00043	0 046862	0.25329	0.46750	0.000	0 14 50 20	0 000000	0.800207	0.5091.01	0.020400	1.165610	-2.047521	-1.713872	-1.003852	-1.120767	0.661098	0.541040	0.00000	1.362566
-0.260383		2.882943	0.810 121	-0.036103	C-276282	-0.262201	6.932723	9-176804		000000	C . 346 16 3	-0.157592	0.855389	1.281543	-2.855031	0.432234	0 0 0 5 0 6 3		-1.719314	1.221800	1.217349	-0.312141	-1.412883	5 510 140	0 36663	0.3010	606717.0	0.17(75	3.665291	111110.0	-0.438309	-0.00.664	1.198333	0.201/19	-1.414216	0.931366	-1.544641	-0.462530	-0-414525	050067	111000	076111-0-	-6.735488	6.533746
		3.004134	0.531667	0.159053	-0.49CESS	-0-435585	0.672785	0 66 34 13	61.5266.0-	1. (77460	0.421285	-0.593069	0.112492	0. 610150	-2 24 AC R7	100001	1. 110333	-1.388111	-1.507380	1.276744	-0.545094	0.001535	0 566335	-0.00000	1. CH 1057	0. 141 /10	1.259838	0.712734	-3.713676	0.529270	0.486542	-1.684012	0.641377	-0.374743	-0.331231	0.558274	-0.3905CA	-1.121607	0 077770	0.004430	-7.430828	0.030345	0. 463455	0.238571
0.835377	0.695529	2.416280	0.645906	1.465624			212020	11.215.	0.779422	1.217300	0.855203	0.344431	0.152226	206113	200000	- 1.17834	0.192019	-1.361752	-3.0C780;	0.557123	.0 11869.	1.03163.0	0.57156	-0.951643	0.430263	99.770765	2.064123	-1.033550	0.430440	0.937926	0.735813	-1.302678	0.644380	-0.142154	-0.545522	-3.462310	-1.161557	403835		0.140751	-1.111564	-1.348469	-0.713150	1.29503.3
-0.256260	-0.515555	1.551179	1.316382	1.658178	-0 0317AA	100000	201000	97:565.0	-0.466209	1.135467	6152950	-0.511565	3627601	1.0000	0.74200	-0.435325	0.647286	-1.1550CA	-2.631177	0 206 612	003160	0.77156	161991-5-	-C.587C74	-0.2215CR	-0.782114	2.236264	-635713-3-	0.644009	-1.327218	C. 851623	-1.496324	0.263855	-2.308517	0.168727	1.400461		DOUGHT -	-0.657540	C. 58CC 28	0.874462	1.455010	C.723618	1 470051
- 741595			1 143491	1.318239	221036	87016	-0.678810	0.867419	0.605203	1.226273	3 920346	0000000	00000	-0-020-0-	-0.268705	-1.780298	0.942264				150000	1. 115604	-0.122083	-0.712867	1.410676	0.729822	0.454081	-2-037742	-0.423634	0.275054	0.678784	-2-177297	1.317709	246045	0 357914	0 517663		0.488934	-0. 801914	-0.272578	-1.267911	-0.234959	0.966365	1 4 99 754
10	11	13			*	1.5	91	17	1.8	10				22	23	24	25	34	0,0		28	50	30	116	32	13	36	36	34	2.0	3.0				; ;	15	4.3	11	45	46	4.7	4 4		*

10 P PP CON	0.244300 0.661056 0.058243 -1.035223 0.482170 0.474813 0.395368 0.87034 -1.372516 0.724023
SPKGPA	0.773941 1.058830 1.125934 -0.284721 0.652174 0.652174 1.122815 -0.475268
E AMTNY 2	-C.17E689 C.957511 C.957511 -1.611930 0.655121 -0.615080 0.42257 C.4187520 C.4187520 0.195235
CUALVY	C.665985 1.402568 1.402568 0.926474 0.384962 0.7658854 0.124903 0.1765783
9 7	0.071857 -0.287941 1.381297 0.178112 -0.088961 -0.388956 0.393754 -0.59789 -0.759789 -0.759789
2	-1.865371 0.126489 0.051306 0.051306 -0.894751 0.820730 1.012307 1.356589
4	-0.454525 0.551519 0.160011 -0.064903 0.042359 -0.168797 0.913486 0.913486 0.913486
~	5UPDEC -0.308897 0.819134 -0.816949 -0.2126949 1.54662 -0.217785 0.120862 0.120862
	ACCNFG -0.150149 0.532797 -1.153555 -1.153555 0.291525 -2.2956377 1.306610
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-0.622318	1.224189	-0.054259	0.907369	0.305844	1.197634	0.000000	0010100	0.013224	0.556819	-0-115380	0.432012	0.304106	0.971530		U.F.= (5) (8.	TER FITTING	SNAT VETE OF VARTANCE		60 60 60 60 60 60 60 60 60 60 60 60 60 6		10 10 10 10 10 10 10 10 10 10 10 10 10 1	17 DEPENDENT VARIABLELS)	1 AMTNFC	2 ACCNFO	3 SUPCEC	4 SATERF	5 DRUNFO	6 MESLEN	7 CUALVY			11 MINPRE	2 MININ 2	3 EZCCMP				17 UNNE	5= 7		TICH MATRIX	
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F-PATIO FFF MULTIVARIATE TEST CF EQUALITY OF MEAN VECTORS= 5853.5156

0.F.= 17. AND 2562,6033 P LESS THAN 3.3301

4 18 4 1 GA	HYPOTHESTS MEAN SO	UNIVARIATE F	P LESS THAN	STEP CONN F	P LESS JHAN
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		40225 4055	0.0001	60225.5898	0.0001
AMTAR	73.47.4	55000		614.2648	0000
ACCNED	28555.8659	44832.6719	0.0001	0007-17	
7300113	2016 5 7743	54015.8242	0.3031	2/3.38/4	000
	3000 00700	44.744.037.5	0.0001	29.7556	00000
ALLEN	0+27.0+436	27170 5584	1.00.0	52.5653	0.0001
LANCAC	58245.514	1114.3300	2000	24.5941	00000
ME STE	28655.6243	33726.0078	100000	100000	
*******	0512.7346	42288.4766	0.0001	7416.191	0000
	0750 73676	43359-9414	0.0001	5415.41	00000
A N I W W	0500	13663 0164	1.11.1	79.1421	00000
O PKCRA	556515355	4 35 TO . 01 30	10000	1 9561	00000
DECTA	28059.2176	42109.4062	1000.0	110010	
0007.7	21662,2617	45158.0742	1000.0	14.5262	000
	E776 7700	8717 27062	0.0001	7.2128	100.0
2	1447-43797	0000000000	1000-0	1.7339	0.186
F7CCMP	0470.42882	43002.3348	1000	2.1236	0.154
USENED	32346.6293	41205.4844	100000	0070.7	2 447
20000	1757.7371	45376.8320	0.3031	4675.0	194.0
	1000 01110	50163 6367	0.0001	18.8872	0000
CIRPIC	1051.012.16	1010.000		26.2617	000.0
CHNN	24763.8253	26F67. HSC6	1666.6	1223.03	

DEGREES OF FREEDOM FOR HYPOTHESIS= 1 DEGREES OF FREEDOM FOR ERROR= 2578. DISCETATAAN AAALYSIS FOR FYPOTHESIS

APIARIF	HYPOTHESIS PEAN SO	UNIVARIATE F	P LESS THAN	STEP DOWN F	P LESS THAN
CHATAN	7.1235	12.5044	0.0004	12.9644	4000.0
ACCNED	2.2147	3.4770	0.0620	0.0624	0.802
SHORE	3-1257	5925.5	2810.0	0.1680	0.682
SATAR	4515-9	10.0424	0.0016	1.6347	0.199
DANCO	7-6847	8651.7	0.0284	0.1047	0.746
MESIEN	5-3162	6.2604	0.0124	0.4313	0.512
A I VIII	7-3094	11.5132	0.0007	4.3584	0.036
AMTEN	11:4-9	10.5681	0.3012	0.7630	0.382
VOXOX	2,6962	4.5626	0.0326	0.3859	0.536
NOCONO	4-9433	7.4080	0.0065	0.4740	0.493
TADOR	7.8168	11.3251	0.3338	1.0652	0.299
21414	6.1179	6-0168	0.0142	0.0001	166.0
CACCAC	4.3637	6.6916	0.0097	0.0267	0.870
LIS ENED	3-4528	5.0970	0.0240	1.1228	0.289
DECEND	4.9217	6.9845	0.0083	0.0026	0.959
CIBBIC	2.3168	3.7118	0.0538	0.9632	0.329
INKED	3.3583	7.6436	0.0559	0.2137	449.0

DEGREES OF FREEDOW FOR EXROP= 2578.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS Z

VARIANCE CE CANCINICAL VARIATE	9600*0 = 1	PER CENT OF CA	PER CENT OF CANONICAL VARIATION= 100.00	ERI	\$600.
				M= 7.5 N= 1280.0	80.0
	DS10	DISCRIMINANT FUNCTION COEFFICIENTS	FFICIENTS		
	VARIABLE	RAW CCEPFICIENT	ST AND ARCIZED		
	1 AMTNFO	6.741618	0.5510		
	2 ACC.NFO	-0-183659	-0.1466		
	3 SUP DEC	-0.095367	-0.0718		
	4 SATBRE	0.293212	0.2419		
	5 ORONFO	-0.130152	-0.1140		
	6 MESLEN	C. C8G324	0.0740		
	7 OUALVY	0.496134	0.2953		
	SAMTNY2	0.351526	3.2745		
	9 SPKGRA	-6.251514	-0.1533		
	10 FFPCCN	0.169072	0.1381		
	11 MINPPE	0.431637	3.3586		
	12 MININ	0.027411	0.0254		
	13 FZCCMP	0.043640	0.0394		
	14 USFNFO	-0.358274	-).2966		
	15 DESEND	C. 133831	0.0872		

	-01809	DISCRIMINANT FUNCTION COEFFICIENTS	IC IENT S	
	VARTABLE	RAN COEFFICIENT	STANDARC 12ED	
	DANTNE	-6.530110	6656-0-	The same of the sa
	2 ACCINED	-0.152973	-0.1221	
	SUPPLE	-0.312478	-3.2354	
	4 SATBRE	0.061297	0.0511	
	S JRONFO	0.014831	0.0130	
	6 MESLEN	0.017860	0.0165	
	7 OUALVY	-0.056825	-0.0453	-
	B AMTNYZ	-0.148131	-3.1156	
	SPKGRA	-6.262057	-0.2015	
The second secon	NO SEPCON	-6.190237	-0.1554	
		-6.061326	-3.0559	
	12 HININ	-6.056354	-0.0523	
		-0.014356	-0.0116	
		C. CB53.4	3.0739	
		0.036535	0.0310	
		-0-160137	-0.1265	
		-6-175833	-0.1208	
	HOTFLLING	HOTELLING'S TRACE CRITERIONS	39, 1072	IATES
8487	LETT'S CHI SCUARE TE	ST FCP SIGNIFICANCE OF	BARTLETT'S CHI SCUARE TEST FCP SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIABLES	20181
FOR ROOTS 1 THECLGH	H 1 CHI SCUARF=	5465.4492 AITH 17	17. DEGREES OF FREEDOM	P LESS THAN 0.0001
	CANCHICAL FORM OF	CANCHICAL FORM OF LEBST SOUARE ESTIMATES-VARIATES X EFFECTS	S-VARIATES X EFFECTS	
•				
1 -6.148548				-
	HYPOTHESIS	2	1 DEGREE(S) OF FREECOM	PAGE

1.4464

P LESS THAN 0.1048

F-RATIC FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS=

D.F.= 17. AND 2562.CCC3

PAGE 10 FOR BOOTS 1 THROUGH 1 CHI SQUARE: 24.5974 WITH 17. DEGREES OF FREEDOM P LESS THAN 3.1041 BARTLETT'S CHI SOUARE TEST FER SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES ENGINES CANCALCAL FCFM OF LFAST SQUARE ESTIMATES-VARIATES X EFFECTS -3.3113 PYPOTHESIS 3 1 0 66REE(S) OF FREEDOM HOTELLING'S TRACE CRITEFICN= 0.0356 -0.394685 16 CLRPIC 17 UNNED 0.01.6.0.6.0.0.0.0. LIPATING -0.147943

F-9.DIIN FOR MULTIVARIATE TEST OF EDUALITY OF MEAN VECTORS= 2.3312
0.F.= 17. ANC 2562.0003 P LESS THAN 0.0016

AP TARI F	HYPOTHESTS MEAN SO	UNIVARIATE F	P LESS THAN	STEP COWN F	P LESS THAN
				0007 11	7100 0
CHALA	6.5678	0687.11	00000	11.1090	0000
CANDO	0.1146	(.1799	0.6724	1.6496	0.1984
LIBOR	2.8602	5.0390	0.0248	C.7222	0.3959
ATADE	16.3640	14.9124	3.3932	7.1040	7.00.0
LOUNCE	8707-	1367-7	0.0350	0.1419	0.7066
AE SI EN	8-6/22	10-1243	0.0015	2.2709	0.1313
NA IN	7-6713	12.0827	3.3336	4.9822	0.0256
AM TNY 2	2.0744	4.8678	0.3270	C.4477	0.5037
V CO X CO	6.7515	1.2717	0.2574	2.7804	0.0552
NO DE	1.1799	1-7662	0.1625	0.3981	0.5289
TADOR	4.8364	9706-6	0.0017	C. 8384	0.3609
17878	6. 2522	4.9877	0.0255	3.3295	0.8634
17.5	0.4503	<b>*</b> 355 <b>*</b> 3	0.3230	2.8592	1060.0
CENED	4-1484	6.0537	0.0139	C.0291	0.8645
CNOSS	6.1775	5.7667	3,3031	7.1177	0.4734

	0.6670		ROY'S CRITERION= 0.0153 M= 7.5 N= 1280.0				14165	P LESS THAN 0.0015
LEGREES DE FI  DEGREES CF FI  DEGREE	1.92	IS FOR HYPOTHESIS 2	SENT OF CANDUTCAL VAPIATION= 100.00	STANDARCIZED			" #	!
		DISCRIMINANT ANALYS	0.0155	VARIABLE PAM COEFF	MESTEN GUALVY SPKGRA SPKGRA MINPRE	MININ ECOMP CLP IC UNNFO	HOTELLING'S TRACE	1 TFECUGH 1 CHI SOUARE# 35.5999

FNGTNF

PAGE 11		P LESS THAN	0.0072	0.8227	0.8911	0.2969	0.6327	0.0279	0.9724	0.5010	0.1806	0.9308	0.5677	0.2387	0696*0	0.7743	6769*0						ROY'S CPITERICN= 0.0080 M= 7.5 N= 1280.0
TOTALFLY	1.2025	STEP DOWN F	7-2392	C.0503	2.4332	0.0188	0.2293	4.8290	0.0012	0.3297	C.6385	1.7831	0.00.0	1 3866	2000	1.0832	0.1542						1= 100.30
1 DEGREES OF FREECOM	Y DE MEAN VECTORS= P LESS THAN 0.2517	P LESS THAN		0.000	3.3377	0.0392	0.5910	0.4991	0.2560	0.5480	0.2656	3.6289	0.7462	0.4504	0.0311	0.1316	0.2151		A HYPOTHESIS= 1	OR ERROR= 2010.		OR HYPOTHESIS 4	PER CENT OF CANONICAL VARIATION= 103.30
THE ST S 4	F-FATIC FOR MULTIVARIATE TEST OF EQUALITY D.F.= 17. AND 2562.CC00	UNIVERTATE F		7.2392	1.0610	1,011	0.2928	0.4631	1.2809	0.2124	00000	1.22.18	2362.0	0.5733	6.6418	2.2640	1.5272	9500.0	CEGRES OF PREEDOM FOR HYPOTHES 15=	DEGREES OF FREEDOM FOR ERROR=		DISCPIMINANT ANALYSIS FOR HYPOTHESIS 4	A B A B A B A B A B A B A B A B A B A B
0.0.01.0.6.0.0.0.0.	E-Fall FIR MIL.	DY WE ME BY STATEMENT		3.5962	0.6758	4.1241	7.9504	8522	0.1414	6-12-03	1000.0	0.8193	0-1630	1150-0	79764	5,1816	1.5933	0.3648					
			1 1 1 1 1 1 1		ANTAR	SUPPE						20000		NININ C				16 CLRPTC 17 UNNEU					

-- DISCRIMINANT FUNCTION CUEFFICIENTS--

VARIABLE	GAN COEFFICIENT	STANDARLIZED
ANTME	0.573751	0.4263
O L N L L	-0.050731	-0.0435
DOUE	6.655209	
Tabe	0.239683	
DROKED	-0.122439	-0.1073
FSIFN	-0.027697	
OUAL VY	-0.856144	
MINYZ	-0.122525	-0.0956
DK GP A	0.126539	0.1573
NOOD	0.318830	0.2604
TAPRE	-0.556213	-0.4621
NIN	-0.033450	-0.0310
FICCIND	0.156124	0.1265
USENEO	0.509154	0.4215
CVOVE	0.033268	0.0279
CIEDIC	-6-117751	60
INNED	-0.107208	102

## HOTELLING'S TRACE CRITEFICN= ).0380

## BARTETTIS CHI SOLAPE TEST FCE SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

P LESS THAN 3-2473 FOR BEITS 1 THROUGH 1 CHI SOLARE# 20.5471 MITH 17. DEGREES OF FREEDOM

CANTAICAL FORM OF LEAST SCUARE ESTIMATES-VARIATES X EFFECTS

Trtal FLY

3.117543

HYPCTHESTS 5 1 DEGREE(S) OF FREECOM

12

PAGE

ANUALFLY G.C.C.D11.C.d.C.0.

1.0117 F-SATT FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTERS=

D LESS THAN 0.3677 D.F.= 17. BNE 2562.0003

AMTNED  AMTNED  AMTNED  ACIDATE  ACIDAT	0.7188 0.7188 0.7136 0.7136 0.7136 0.7137 0.7177 0.7177 0.71779 0.7177 0.7177 0.7177 0.7177 0.7177 0.7177 0.7177 0.7177 0.7177	C.3664 0.1155 0.1155 0.1155 0.1155 0.1155 0.1289 0.2899 0.2804 0.2862 0.2842 0.2842 0.2842 0.2842 0.2843 0.2843 0.2844 0.2844 0.2844 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.2845 0.	0.5310 0.753 0.553 0.553 0.553 0.4496 0.6495 0.5586 0.5586 0.5586 0.5586 0.5586 0.5586 0.5586 0.5787 0.5787 0.5787 0.5787	0.3564 0.0034 0.10568 0.10565 0.10564 3.1157 3.1157 0.10564 0.10564 0.10564 0.10564 0.10564 0.10564 0.10564 0.10564	
VASTANCE OF CONCNICOL VASTATE	A A A A A A A A A A A A A A A A A A A	K1 W 1 A A A A A A A A A A A A A A A A A	FER CENT CF LANCHICAL VAFIATION= 100+00  T FUNCTICN COEFFICIENTS  CDEFFICIENT STANDAREIZED  0.121534 0.2025  0.075747 0.6571  0.075747 0.6571  0.075747 0.6571  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07574 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07574  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577 0.07577  0.07577  0.07577  0.07577  0.07577  0.07577  0.07577  0.07577  0.07577	N= 103.00	RDY 5 CPITER 10% = 0.0071  M = 7.5  N = 1280.0

	P LESS THAN 0.3653				PAGE 13					P LESS THAN	0.3413	0.7667	1996-0	0.9630	0.3296	0.1515	0.1412	0.0072	0-9260	0.3595	0.5919	0.1913	0.6325	0.1508		
G. 0072 SUCCESSIVE CANONICAL VARIATES		x EFFECTS						1,3165	705	STEP DCWN F	0.9131	0680.0	2.9206	1.823	0.9628	2.0480	0.0524	1.9548	0.0087	0.8334	C.3659	1.7010	5355	2,0005		
	17. DEGPEES OF FREEDOM	OF LEAST SOLARE ESTIMATES-VARIATES X EFFECTS			1 DEGREES OF TREESE			ITY OF MEAN VECTORS=	D LESS THAN 0.1705	P LESS THAN	6176 0	0.4863	5.3492	0.0725	0.2886	0.5787	3.7583	0.2761	8270.0	99860	0.3497	0.4545	0.0514	0.0646		
HOTELL ING'S TRACE CRITERION -	# 18.3801 #ITH	M OF LEAST SQUARE ES			HYPOTHESIS 6 1 DEGREESS OF TREECEN			F-GATIO FOR MULTIVARIATE TEST OF EGUALITY OF MEAN VECTORS=	17. AND 2562.00CJ	UNIVARIATE F		0.9131	3.6635	3.2172	1,1141	0.0445	0.0658	1.1741	5.6348	1,6334	0.8879	C. 5633	3.7842	2,7038		
TOH THE STATES OF THE STATES O	1 7	CANCNICAL FORM	ANIALFLY	8.4113130-62	DA H	0.0.0.0.0.0.0.0.0.0		F-SATIO FOR MULTI	D.F.=	HYPOTHESIS MEAN SO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0,5640	5535	2.2360	C. 8553	0.0278	0.1675	0.6438	3.7601	1.1277	0.50.0	0.3650	7.6666	1.6876	2.7359	
	FOR REDTS		N	1 8.411			•			VART 481 F		1 AMTNF	7 ACCNED	3 SUPEFC	C OD ONE		_	B AMTNY7				13 FICHED	TA DECOND		17 UNNEU	

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17. DEGREES OF FREEDOM I I I 22.4749 I CHT SOLAPE= I THAFLIGH

FIR ANDTS

PARTLETT'S CHI SCHARE TEST FER SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

P LESS THAN 0.1672

CANCINICAL FORM OF LEAST SQUARE ESTIMATES. VARIATES X EFFECTS

C3-0120092"5-GARM

1 JEGREETS) OF FREEDEM 1 **EYPOTHESTS** 

PAGE 14

C.C.0.C.C.D1.C.O.

POWERPNT

1.9418 F-PATIN FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS=

P LESS THAN 0.0116 0.F.= 17. ANC 2562,0000

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		C.0:02	0.919
		0.6902	0.400
		0.2441	0.620
		2.0044	0.156
		0.0000	766.0
		0.9626	0.3270
		C.2324	0.630
		0.2665	1,09.0
		8.7365	0.003
		0.0008	7776.0
		0.1770	0.676
		6500.0	0.938
		2.1844	0.074
		2,9819	0.083
		C. 5102	0.474

CEGREES OF FREEDOM FOR HYPOTHESIS= 1 DEGREES OF FREEDOM FOR ERROR= 2578.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS

0.0129 VAPIANCE OF CANONICAL VAPIATE 1 =

PER CENT OF CANDAICAL VARIATION= 100.00

RDY S CRITERICN = 0.0127 M= 7.5 N= 1280.0

-- DISCRIPTAANT FUNCTION COEFFICIENTS --

STANDAGEIZED

RAN COEFFICIENT

VARTABLE

PAGE 15 P LESS THAN 0.0117 EARTLETT'S CHI SCHARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES CLC USE 32.8853 WITH 17. DEGPEES OF FREEDEM CANENICAL FORM OF LEAST SCLARE ESTIMATES-VARIATES X EFFECTS HYPOTHESIS 8 1 DEGREES) OF FREEDMINISTERMENT 0.0125 HOTELLING'S TRACE CRITEPICN= 10.3742026 0.0337414 0.0337414 0.0394834 0.0594834 0.0594834 0.0186847 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 0.0464839 1 YPOTHESTS 8 FOR BEITS 1 TERCUGH 1 CHI SOLARE= 3.0.3.3.3.3.01.0. POWERPNT -0.245565

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0.F. 17. AND 2562.0333 P LESS THAN 3.3332

F-RATIO FOR MULTIVIRIATE TEST OF EGJALITY OF MEAN VECTORS=

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	0000		110101	0.000	11.1651	600000
	Pr. L.NT.	1.3831	2.1715	0.1394	0.0036	0.9521
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c	MESTER	11.1774	13,1551	0.0003	1 -3332	0.2471
1	DUALVY	1.2946	2.0391	0.1521	1.2043	0 2707
Œ,	AMTNYZ	2.8754	4.7318	950-0	7300	1000
0	CDECTA	1 75.17		0000	665.00	0.30%
	1	1001-1	55/507	0.0840	0.0335	0.8550
0	PARCEN	5.9420	8.9046	0.0029	1.5347	0.2143
-	MINDRE	17.3596	25.1507	0.3301	6.7252	0.000
12	MININ	14.1229	14 4112	1000	7001	20000
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	0.0144
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	PER CENT OF CANONICAL VARIATION= 100.00
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BARTLETT'S CHI SOUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

17. CEGREES OF FREEDOM P LESS THAN 0.0033 37-1429 WITH FOR ROOTS 1 THECLEH 1 CHI SCUARE=

CANCHICAL FORM OF LEAST SOUARE ESTIMATES-VARIATES X EFFECTS

TI B USE

9.35682ED-C2

HYPOTHESIS 9 1 DEGREE(S) OF FREEDEN

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NE N USE

PAGE 16

4.0478 F-RATIO FOR JULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS=

D. . . . 17. AND 2562.0000 P LESS THAN 0.0001

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O ACCINED	3010	20.100	0.0001	38.768	00000
010010	2017-21	24.6031	3,1331	7.8087	3.005
THE PARTY OF THE P	12.6421	22.2726	0.0001	0.6504	2000
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21.11	50.6706	24.3281	0.0001	3-2389	20.0
1	0.7585	1.1947	0.2724	7.664	3000
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4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.4532	4.9044	0.0267	0.0628	0.800
T T T T T T T T T T T T T T T T T T T	1.8011	5.6963	0.1173	0.0217	0.859
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de l'alla	11.52.4	17.5534	3,3331	1.6350	000
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CHNES	2 01:0	30.4362	3.3331	1.0085	0.312
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DEGREES OF FREEDOM FOR HYPOTHESIS= 1 DEGREES OF FREEDOM FOR ERROR= 2578.

DISCRIMINANT ANALYSIS FOR PYPOTHESIS 9

ROY+5 CRITERICN= 0.0262 M= 7.5 N= 1280.0				and the second s						A CONTRACTOR OF THE PARTY OF TH						The same of the sa			
PER CENT OF CANONICAL VARIATION= 100.00	FICTENTS	STANDARCIZED	-0.3697	-3.3291	0.0489	-0.0379	0.0126	-0.2309	0.4998	-0.0022	-3.0230	10 PMPCFN 0.123757 0.0986 11 MINPRE -0.617183 -0.6101 12 MININ -0.155024 -0.1809 13 FGCMP -0.226164 -0.1655	-0.0426	-1.1983	0.1910				
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HOTELLING'S TRACE CRITERION = 0.0269

PARTLETTYS CHI SOLARE TEST FCR SIGNIFICANCE OF SUCCESSIVE CANCHICAL VARIATES

P LESS THAN 3-0331 65.2519 AITH 17. DEGREES OF FREEDOM FOR BOOTS 1 THROUGH 1 CHI SQUARES

CANCATCAL FCFM OF LEAST SOUARE ESTIMATES-VARIATES X EFFECTS

NEW LSE

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## MULTIVARIATE ANALYSIS OF VARIANCE (QUESTION 8--REACTION TO TRIAL PATWAS)

This section contains the results of the multivariate analysis of variance of question 8 using the responses from the initial and follow-up returns. The highlights of the findings are presented in the volume I section entitled PILOT SURVEY.

UNIVARIATE AND MULTIVARIATE ANALYSIS OF VARIANCE, COVARIANCE, AND REGRESSION

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ANALYSTS OF PATHAS QUESTIONNAIRE - QJESTION 8

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NIMBER OF VARIABLES IN INPUT VECTORS=

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| 35 | 3.703947 | 3.815789 | 3.828947 | 3.723684 | 3.631579 | 3.733947 | 3.710526 | 3.428571 | 3.295714 | 3.428571 |
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| | | 0858 | OBSERVED CELL | MEANS RE | ROWS ARE CELL | ELLS-COLJMNS | ARE VARIABLES | S | | |
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| | AMTNES | ACCNFO | CONSAT | DRDS AT | SUPDEC | MESLEN | EZUND | LONYZ | SPKCKA | 200 |
| 10 | 1.813113 | 3.333333 | 3,333333 | 3,333333 | 2.000000 | 3.666667 | 4.333333 | 4.333333 | 3 .000000 | 3,333333 |
| 02 | 3.467153 | 3.496353 | 3.518248 | 3.627737 | 3,102190 | 3.215328 | 3.627737 | 3.474453 | 3.456234 | 5.521131 |
| 103 | 3.579832 | 3,655462 | 3.756303 | 3.781513 | 3 . 33 6555 | 3 307007 | 3.055402 | 3 806652 | 3.730323 | 3.741935 |
| 40 | 3.322581 | 3.612903 | 548 | 3,838710 | 3.129052 | 3.410000 | 3.960000 | 3.870000 | 3.680000 | 3.950303 |
| 501 | 3.725000 | 3 738095 | 3.910000 | 3.714286 | 3.714286 | 3.309524 | 3.690476 | 3.690476 | 3.369048 | 3.976190 |
| 200 | 3,440470 | 3.408696 | 3.865 565 | 3.826087 | 3.608696 | 3.478261 | 4.343478 | .82608 | 3.586957 | 4.086957 |
| 200 | 3.083333 | 3.156667 | 200 | 3.666667 | 3,166667 | 3.500000 | 3.166667 | 2.833333 | 3.656667 | 3.833333 |
| 601 | 3.950000 | 4.000000 | 4.200000 | 4.000000 | 3.930000 | 3.800000 | 3.900000 | 3.500000 | 3 540076 | 3.512195 |
| 110 | 3,432927 | 3,463415 | 3,524390 | 3.585365 | 3.231707 | 3 407805 | 3 743907 | 3.743932 | | 3.304878 |
| 111 | 3.423732 | 3.743902 | 3.710512 | 3.573684 | | 3.368421 | 3.894737 | 3.894737 | 3.921053 | 3.735942 |
| 211 | 11248116 | 3.551517 | 3.614.035 | 3.771930 | 3.473509 | 3.271930 | œ | 3.508772 | 3.552632 | 3, 736842 |
| 511 | 3.218182 | 3.400000 | 3.491909 | 3,581818 | | 3.190909 | 3.672727 | 3 . 545455 | 3.390939 | 3.400000 |
| 115 | 3.673913 | 3.521739 | 3.695652 | 3.739130 | 3.217391 | 3.521739 | 3.913043 | 3.695652 | 3.84/825 | 3.628571 |
| 116 | 3,500000 | 3,714286 | 3.4211571 | 3.714286 | 3.428571 | 3.214286 | 3 428571 | 3.785714 | 3.714286 | 3.500000 |
| 1117 | 3.571429 | 3.714286 | 3.923571 | 3,785714 | 3 428571 | 3. 321429 | 3.571429 | 3.642857 | 3.750000 | 3.857143 |
| 113 | 3.785714 | 3 600000 | 0000000 | 3.600000 | 3.630000 | 3.400000 | 3.800000 | 4.000000 | 3.900000 | 3.600000 |
| 1119 | 3. 400000 | 3.000000 | 3.80,000 | 3.600000 | 3,433303 | 2.400000 | 000000* | 4.400000 | 3.000000 | . 00000 |
| 121 | 3.666667 | 4.000000 | 3.665667 | 3.888889 | 3, 333333 | 3.277778 | 3.66666 | 3.77778 | 3.500000 | 4.22222 |
| 122 | 4.000000 | | 0000000* | 3.000000 | 4.000000 | 3,500000 | 4.000000 | 3.705882 | 3.764706 | 3, 294118 |
| 123 | 3,588235 | 3,647059 | 3.823529 | 3 400000 | 2 800000 | 3.300000 | 3.800000 | 3.600000 | 3.400000 | 3.800000 |
| 124 | 3.600000 | 3.600000 | 4.250000 | 3.250000 | 3.750000 | 3.250000 | 4 | 4.000000 | 3.750000 | 3.530333 |
| 126 | 3.875000 | 3.5 | 3.253300 | 4.250000 | 3.750000 | 3.750000 | * | 4.250000 | 3.875000 | 3 935936 |
| 127 | 3.574074 | 3, | 3,481481 | 3, 592593 | 3, 333333 | 3.500000 | 3.703704 | 3.518519 | 3 588889 | 4-155556 |
| 128 | 3.865557 | 3.588889 | 3.800000 | 3.822222 | 3.288889 | 3.500000 | | 3.600000 | 2. 700000 | |
| 129 | 3,800000 | 3.562500 | 3.812500 | 3.937500 | 3.125000 | 3.937500 | 3.687500 | 3.500000 | 3.656250 | 3.812500 |
| 131 | 1.500000 | | 0000000* | 4.000000 | 4.000000 | 2.500000 | 2.000000 | 5.00000 | 3 47 5243 | 3 21 052 6 |
| 132 | 3,447368 | 3. | 3 | 3.473684 | 2,684211 | 3, 105263 | 3.315789 | 3.308421 | 3, 37,5000 | 2. 750000 |
| 133 | 3.925000 | 3 | m : | 3.900000 | 2 350000 | 2.500000 | 3.250000 | 4.000000 | | 4.000000 |
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| 135 | 3.458393 | 3 720769 | 3.461538 | 3.807692 | 3.834615 | 3.173377 | 3.730769 | 3.846154 | | 3, 730769 |
| 130 | 3.552632 | 3.842105 | 3 | 3, 736842 | 3,526316 | 3.358421 | 3.894737 | 3.526315 | 3.736842 | 4.105263 |
| 138 | 3.562533 | 3.625000 | 3.25 | 3.750000 | 3.000000 | 3.062500 | 3, 750000 | 3.500000 | 3.812533 | 3.37.37.3 |
| 139 | 3,531250 | 3.750000 | 3.81 | 3.812500 | 3.375000 | 3.656250 | 3.812500 | 3.875000 | 3 14 28 57 | 3 142857 |
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| 141 | 3,333333 | 3.556567 | 4 .00000 | 3.666667 | 4.000000 | 3, 333333 | 3 0 | 2.800000 | 3.400000 | 3.500000 |
| 145 | 3. 500000 | 3.000000 | 3.20000 | 3.800000 | 2 857163 | 3.785714 | 3.714286 | 3.857143 | 3.571429 | 3,142857 |
| 143 | 3.500000 | 3.4285/1 | 4.1.2831 | 3 705882 | 3.117647 | 3.367647 | 3.676471 | 3.617647 | 63 | 3.779412 |
| 144 | 3.433662 | 3.855263 | 3.7:3684 | 3.713526 | 3.500000 | 1491 | 3 | 3,671053 | | 4.131579 |
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| 140 | 3.6025 | 3.756410 | 7 | 3.717949 | 3 | 3.467349 | 3.884515 | 3.833333 | 3.705128 | 3.914333 |
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| | | | | | | | | | | ARE CELLS-COLUMNS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.000000 | 4.378641 | 4.307692 | 4.689655 | 000000 | 5.000000 | 4.371429 | 4.537500 | 4. 750000 | 4.267525 |
MEANS ROMS A | : | HALUP | 4.439716 | 5. 000000 | 4.484848 | 4.035714 | 4.130435 | 3.613385 | 4.176471 | 4. 333333 | 2.000000 | 4.000000 | 4.388889 | | 000052.4 | 4.205479 | 0000000 | 4.450000 | 4.500000 | 4.333333 | 4.371429 | 4.100000 | \$ · 1 5 0 0 0 0 | 4.625000 | 0000000* | 000000- | 000000 | 6.333333 | 2.00000 | 4.428571 | 2.000000 | 4.602000 | |
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| 4.000000 | 3. 485437 | 3.576923 | 4.00000 | | | 5 | 3. 61 6667 | 3.373000 | 3.504950 | 0.085 | 12 | CL RP IC | 3.730496 | | 3 000000 | 3. 571429 | 3.565217 | 3.451538 | | 4.000000 | 000000 | | | | | 3.541667 | | • | | 3 400000 | - | 0 | 3.800000 | 3.125000 | 000000- | • | 2 22223 | 2 000000 | 4.000000 | | | | |
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| | CANTRA | ACCNFO | CONSAT | DRDSAT | SUPDEC | MEST EN | EZUND | LONYZ | SPCGRA | NCOche |
| 101 | 0.763753 | 0.577350 | 1.154701 | 1.154701 | 1.000000 | 0.577350 | 0.577350 | 0.577350 | 0.0 | 2.331566 |
| | 0.991145 | 0.924536 | 1.050925 | 0.985239 | 1.238385 | 1.145316 | 1.104851 | 1.200982 | 1.095570 | 1.11838 |
| | 1.035356 | 0.838046 | 0.947489 | 0.738295 | 1.017718 | 1.167057 | 0.915377 | 0.984136 | 3.859472 | 0.73403 |
| | 1.114553 | 0.843699 | 95157 | 0.860108 | 1.175923 | 0.872828 | 1.055452 | 0.980454 | 0.616092 | 1.35357 |
| | 0.683038 | 0.739642 | 0.597637 | 3.791623 | 0.947938 | 3.865675 | 0.723627 | 0.812217 | 0. 796203 | 0.80872 |
| | 1.031234 | 0.912235 | 0.861150 | 0.891305 | 1.018984 | 1.224508 | 1.199351 | 1.047368 | 1.204967 | 0.84067 |
| | 1.374774 | 1.233588 | 3.694416 | 0.576208 | 0.782718 | 1.081647 | 0.538055 | 0.886883 | 0.925057 | 0.41732 |
| | 1.625320 | 1.329160 | 0.836650 | 3.816497 | 0.983192 | 0.547723 | 1.834848 | 1.722401 | 0.752773 | 0.40824 |
| | 0.685160 | 0.816497 | 0.632456 | 0.471405 | 1.133505 | 0.586894 | 1.100505 | 1.080123 | 0.598609 | 0.42163 |
| | 1.062150 | 1.135239 | 1.033102 | 1.041737 | 1.279456 | 1.281983 | 0.963032 | 0.864938 | 1.095418 | 1.10267 |
| | 1.208175 | 0.766763 | 0.774188 | 3.956208 | 1.267099 | 0.981230 | 0.900082 | 0.913695 | 1.047645 | 1.22413 |
| | 0.931106 | 0.683986 | 0.964274 | 1.123903 | 0.994135 | 0.495595 | 0.737468 | 0.657836 | 0.533936 | 0. 73349 |
| | 3.859489 | 0.876096 | 0.995604 | 0.906673 | 0.997491 | 1.035401 | 0.819178 | 1.054291 | 1.025062 | 1.04413 |
| | 0.961113 | 0.973729 | 0.997640 | 0.956283 | 1.192852 | 0.915357 | 1.019342 | 1.135589 | 1.091596 | 1.31374 |
| | 0.595603 | 1.038774 | 0.973970 | 3.864312 | 1.342572 | 866184.0 | 0.514609 | 1.019571 | 0.463062 | 1.17953 |
| | 0.645497 | 0.755929 | 0.975900 | 0.487950 | 1.133893 | 0.487950 | 0.755929 | 1.133893 | 0.534522 | 0.97590 |
| | 0.646205 | 1.138729 | 0.267261 | 0.578934 | 1. 292412 | 0.456937 | 0.851631 | 0.578934 | 2.468837 | 1.31934 |
| | 0.611250 | 0.611250 | 1.215739 | 1.069045 | 0.937614 | 1.084987 | 1.089410 | 0.744946 | 0.379777 | 0.86443 |
| | 0.418330 | 0.547723 | 0.0 | 0.894427 | 0.834427 | 0.547723 | 0.447214 | 0.0 | 0.223607 | 0.89442 |
| | 1.949359 | 1.732051 | 0.447214 | 0.894427 | 0.894427 | 2.302173 | 1.224745 | 0.547723 | 1.870829 | 1.22474 |
| | 0.353553 | 0.500000 | 1.300000 | 3.333333 | 1.118034 | 0.363242 | 1. 509231 | 1.092906 | 0.559017 | 0.44395 |
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| | 0.507300 | 1.114741 | 0.808957 | 0.848875 | 1.169464 | 0.544018 | 0.727607 | 1.104832 | 3.533785 | 1.04670 |
| | 0.419330 | 0.547723 | 1.788854 | 0.547723 | 1.788854 | 0.447214 | 1.095445 | 0.447214 | 0.547723 | 1.39544 |
| | 0.577350 | 1.000000 | 0.50000 | 0.957427 | 1.533303 | 0.288675 | 0.0 | 0.0 | 0.500000 | 1.00000 |
| | 0.478714 | 0.577350 | 0.957427 | 0.500000 | 0.957427 | 0.50000 | 0.0 | 0.500000 | 0.250000 | 0.95742 |
| | 1.166055 | 1.197542 | 1.282137 | 1.217161 | 1.037749 | 0.887954 | 0.912090 | 1.282137 | 1.126631 | 91766.0 |
| | 0.504525 | 0.668180 | 0.587754 | 0.490310 | 1.179796 | 1.185135 | 0.926599 | 0.919486 | 0.955183 | 0.67270 |
| | 0.758288 | 1.949359 | 0.0 | 0.894427 | 1.643168 | 0.50000 | 1.395445 | 0.894427 | 1.643168 | 1.34164 |
| | 1.118034 | 1.030776 | 0.543906 | 0.573730 | 0.885061 | 0.478714 | 0.873212 | 0.966392 | 0.396600 | 0.75000 |
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| | 1.320665 | 0.969670 | 1.129878 | 1.026278 | |
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| | 1.292039 | 0.935144 | 0.810691 | 1.155869 | |
| | 1.150447 | 0.921777 | 0.576433 | 3.501631 | |
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| | 1.100685 | 0.920216 | 0.509051 | 0.744590 | |
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5 (GADO

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| = 3.597 | 3.582 ACCUND
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3.734 CLRPIC |
| | 3.606 ACCUFD
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3.845 GLRPIG |
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| | 3.484 ACCNFO
3.320 EZJND
3.655 CLRPIC |

SUPDEC = 3.480 PMPCON = 3.740 PMPCON PAGE 5 PAGE SPKGRA ESTIMATED CELL MEANS, RESIDUALS AND RESIDJALS IN FORM OF T-STATISTICS WILL BE PRINTED LONYZ ORDSAT = 2.762 SPCGRA = 3.675 HRLUP = 4.471 NUMBER OF ORDERS OF THE BASIS VECTORS OTHER THAN THE FIRST IS 7 RANK OF THE BASIS . RANK OF MODEL FOR SIGNIFICANCE TESTING . 9 FZ UND LANTING TOTALFLY ANUALFLY POWERPNT ENGINES JLD USE NEN USE GADO WESLEY CONSAT . 3.794 LONY 2 . 3.662 NOTAMS . 4.130 SYMBOLIC CONTRAST VECTORS ERROR CORRELATION MATRIX ESTIMATION PARAMETERS SUP DEC RANK OF THE MODEL TO BE ESTIMATED IS 9 ERROR TERM TO BE USED IS (RESIDUAL) ORDS AT ACCNFO = 3.729 EZUND = 3.747 CLRPIC = 3.667 CONSAT ACCNFO AMTNFO = 3.676 HESLEN : 3.525 EZCOMP : 3.871 00,00,00,00,00,00,00,00 AMTNEO 0.0.010.0.0.0.0.0 0.0.0.0.0.0.01.0. 0,0,0,0,0,0,0,0,0,0 0,0,0,0,0,0,0,0,0 0.0.0.0.10.0.0.0.0 0.0.0.010.0.0.0 0.01.0.0.0.0.0.10.0 01,0,0,0,0,0,0,0 LEVEL N = 2051. MEANS 6 2 ≈ 74-23 69 (5) 3) 7 =

| | | D DEVIATION | 0.9003 | 0.8420 | 0.9344 | 1.0609
0.9273
0.9014
0.8235
0.7871 |
|--------------|--|--|---|--|----------|--|
| | | | | | | |
| 7 | | RI ANCE
EAN SQUARES | 0.748294 | 1.386133 | 0.873124 | 1.124764
0.859920
0.512446
0.678339 |
| 19 | 1.000000 | AV
IERROR H | | | | |
| 12
NOTANS | 1.000000 | VARIABLE | 1 ANTINFO
2 ACCINFO
3 CONSAT | 5 SUPDEC
6 MESLEN | | 10 PMPCON
11 EZCOMP
12 CLRPIC
13 VOTAMS
14 HRLJP |
| 12 CLRP1C | 0.221392 | | | | | |
| 11 EZCOMP | 0.235974 | | | | | |
| | To Control of the Con | | | | | |
| | EZCOMP 1.000000 1.000000 | EZCOMP CLRPIC NOTANS 1.000000 0.417410 0.276462 0.235974 0.221392 0.391785 | EZCOMP CLRPIC NOTAMS EZCOMP 1.000000 CLRPIC 0.417410 1.000000 NOTAMS 0.276462 0.29856 1.000000 HRLUP 0.235974 0.221392 0.391785 | EZCOMP 1.000000 CLRPIC NOTANS HRLUP CLRPIC 0.417410 1.0000000 1.0000000 1.0000000 1.00000000 | 1 | 11 12 13 14 14 14 15 15 15 15 15 |

ERROR TERM FOR AMALYSIS OF VARIANCE (RESIDUAL)

D.F.= 4289.

LEAST SQUARE ESTIMATES OF EFFECTS -- EFFECTS & VARIABLES

2

| PAPCON | 3.553934
-0.051156
0.013304
0.059535
0.253635
-0.035523
-0.055337 | | |
|---------|---|--------------|--|
| SPK GRA | 3.573853
0.004268
-0.006782
-0.014471
-0.020607
0.020607
-0.025505 | | |
| LONYZ | 3.650369
-0.003577
0.005397
-0.01614
0.0027800
0.007887
0.018013 | | |
| EZUND | 3.744823
-0.012026
0.010706
-0.007980
0.024244
0.01623
-0.005829
-0.005829 | | |
| MESL EN | 3.454031
0.044990
0.013785
0.013785
0.02281
0.023241
-0.033179 | | |
| SUPDEC | 3.449100
0.14031
-0.002819
-0.048915
0.015040
0.01675
-0.043147
0.006058 | | |
| DADSAT | 3.717049
0.014976
0.014976
-0.03136
-0.00552
-0.00552
-0.00576
-0.00576 | # CO | 4.315039
-0.022541
0.072019
-0.046543
0.071304
-0.048432 |
| COMSAT | 3.761398
0.03233
0.017690
0.015716
0.02691
-0.037495
-0.010651 | 13
NOTANS | 4.029787
0.026013
0.016067
0.050420
-0.018654
0.015599
0.015599 |
| ACCMFD | 3.527624
0.009449
0.028968
0.028968
0.028969
0.018741
0.008168344 | 12
CLRPIC | 3,576062
0,026692
-0,023847
-0,011744
-0,011350
0,026379
-0,023070 |
| KATVEJ | 3.56500
-0.012639
0.01333
0.03149
0.03149
-0.004602
-0.004602 | EZCONP | 3.789751
-0.005129
0.012647
0.013947
0.031747
-0.024518
-0.024911 |
| | ~~~********* | | ~~~~~~~ |
| | | | |

| ESTIMATES OF EFFECTS IN STANDARD DEVIATION UNITS-EFF X VARS |
|---|
|---|

| | ANTWA | ACCINED | CONSAT | DROSAT | SUPDEC | MESLEN | EZUND | LONYZ | SPKGRA | PHPCON |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| | 3.959845 | 4.199372 | 4.238959 | 4.414306 | 3.309514 | 3.604713 | 4.007682 | 3.756771 | 3. 91 0882 | 3.454723 |
| | -0.014039 | 0.010923 | 0.037453 | 0.017785 | 0.134366 | 0.046953 | -0.012869 | -0.003681 | 0.004670 | -0,048235 |
| | 0.012144 | -0.023784 | 0.019936 | -0.023274 | -0.002705 | -0.006270 | 0.011457 | 0.005555 | -0.007421 | 0.012545 |
| 1 | 0.067567 | 0.033487 | 0.039810 | -3.044090 | -0.046935 | 0.014386 | -0.008540 | -0.015040 | -0.034893 | 0.338287 |
| | 0.003498 | -0.021976 | 0.017713 | -0.009212 | 3.343217 | -0.000293 | 0.025945 | 0.028611 | -0.017243 | 0.000619 |
| | 0.042067 | 0.026009 | 0.030350 | 0.006237 | 0.030393 | 0.024255 | 0.015235 | 0.008617 | 0.022551 | 0.239151 |
| | 0.012371 | -0.015885 | -0.042255 | -0.006263 | -0.041401 | -0.034627 | -0.006238 | 0.008117 | 0.027911 | -0.33393 |
| | -0.005111 | 0.009646 | -0.012033 | -0.041311 | 0.035813 | -0.042599 | -0.001689 | 0.018538 | -0.027700 | -0.005221 |
| | -0.109344 | -0.094426 | -0.082148 | -0.055602 | -0.056485 | -0.104452 | -0.022155 | -0.010449 | -0.077981 | -0.049745 |

| • | HRLU | 5.482520 | -0.046563 | 0.028640 | 0.091504 | -0.059136 | 0.039738 | 900000 |
|----|--------|----------|-----------|-----------|-----------|-----------|----------|-----------|
| 57 | NOTAMS | 4.832814 | 0.031584 | 0.019508 | 0.061218 | -0.022649 | 0.018939 | 0 020154 |
| 71 | CLRPIC | 3.969636 | 0.029614 | -0.026457 | -0.013029 | -0.018139 | 0.029266 | -0 002183 |
| 77 | EZCONP | 4.086795 | -0.005531 | 0.013638 | 0.015011 | -0.036608 | 0.034235 | -0.024440 |
| | | | | | | | | |

| -3.061536 | -0-120584 |
|-----------|-----------|
| -0.022544 | -0.100455 |
| -0.025594 | -0.077810 |
| -0.026217 | -0.104053 |

| VARS | |
|---|---|
| 4 | |
| STANDARD ERRORS OF LEAST-SQUARES ESTIMATESEFFECTS BY VARS | |
| 7 | |
| EST | |
| -SQUARES | |
| LEAST | |
| č | ľ |
| ERRORS | |
| STANDARD | |
| - | ñ |

| .228541 | _ |
|--|--|
| .935063
.)26525
.832556
.548871 | |
| .404417
.118601
.724037 | .369125D-02 1.4044170-02
.040233D-02 3.118601D-02
.6807130-02 1.724037D-02
.396286D-02 1.432278D-02 |

| 14
HRLUP | 2.863662D-02
1.716369D-02
1.797494D-02
1.6254460-02
1.373823D-02
1.25595D-02
2.7661470-02 | 1.2704070-32 |
|--------------|--|---------------|
| 13
NOTAMS | 2.996682D-02
1.796094D-02
1.700950D-02
1.437538D-02
1.437538D-02
2.894637D-02 | 1.3294190-02 |
| 12
CLRPIC | 3.279552D-02
1.965637D-02
2.053854D-02
1.861510D-02
1.573343D-02
1.573343D-02
3.167875D-02 | 1.4549080-02 |
| 11 62033 | 3.376090-02
2.022510-02
2.176345-02
1.3151250-02
1.6186580-02
1.667865-02
3.2591160-02 | 1. 4968123-02 |
| 10
PHPCON | 3.8887620-02
2.3127930-02
2.4221090-02
2.1902760-02
1.8512150-02
1.6785640-02
3.7278620-02 | 1.7118640-02 |
| S PKGRA | 3,3249040-02
1,9928200-02
2,0870110-02
1,8872330-02
1,5951010-02
1,4633350-02
3,2115830-02 | 1.4753280-02 |
| Z ANO T | 3,5354060-02
2,1189860-02
2,221410-02
2,0067360-02
1,6960870-02
1,5979040-02
3,4150170-02 | 1.5684130-02 |
| | | |

LEAST-SQUARES ESTIMATES AS T-STATISTICS - EFFECTS X VARS

| | | - | | - | | | | | | | |
|---|---------|----------|----------|----------|----------|---------|----------|----------|----------|----------|--|
| | 1 | 2 | • | | • | • | 1 | • | ۰ | 13 | |
| | CHULHA | ACCNFO | CONSAT | ORDS AT | SUPDEC | MESLEN | EZUND | ZANCT | SPKGRA | PMPCON | |
| _ | 108.831 | 115.4163 | 116.5046 | 121.3236 | 90, 9593 | 99.0726 | 110.1479 | 103.2518 | 107.4874 | 94.9502 | |
| ~ | -0.6437 | 0.5009 | 1.7174 | 0.8155 | 6.1613 | 2, 1531 | -0.5901 | -0.1688 | 0.2142 | -2.2119 | |
| | 0.5318 | -1.0414 | 0.8729 | -1.0191 | -3.1184 | -0.2745 | 0.5017 | 0.2432 | -0.3250 | 0. 5493 | |
| | 4.2401 | 1.6215 | 1.9276 | -2.1349 | -2.2726 | 0.6966 | -0.4135 | -0.7282 | -0.2369 | 1.8539 | |
| 2 | 0.2004 | -1.2590 | 1.0148 | -0.5277 | 2.4759 | -0.0168 | 1. 4864 | 1.6391 | -0.9879 | 3.3355 | |
| 9 | 2.6579 | 1.6433 | 1.9176 | 0.3941 | 1.9203 | 1.5325 | 0.9627 | 0.5444 | 1.4248 | 15. 1101 | |
| 1 | 0.3520 | -0.4520 | -1.2023 | -0.1782 | -1.1780 | -0.9852 | -0-1775 | 0.2309 | 0.7941 | -0.9557 | |
| | -0.2631 | 0.4965 | -0.6178 | -2.1262 | 0.2992 | -2.1925 | -0.0869 | 0.9541 | -1.4257 | -3.2587 | |
| • | -6.7741 | -5.8500 | -5.0893 | -3.4447 | -3.4994 | -6.4711 | -1.3725 | -0.6473 | -4.8312 | -3.0818 | |
| | | | | | | | | | | | |

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13

12

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| | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | |
|--------|---|--|---------------|----------|-----------|------------|------------|----------|----------|-----------|-----------|----------|-----------|-----------|------------|-----------|-----------|----------|------------|----------|-------------|------------|-----------|----------|-----------|-----------|
| | | | NDOJANA
CT | 3.827029 | 3.838104 | 3.598276 | 3.909350 | 3.319765 | 3.330840 | 3.436353 | 3.496525 | 3.507600 | 3.825715 | 3.836790 | 3.896962 | 3.908036 | 4.013550 | 3.318451 | 3.329526 | 3.435339 | 3.495211 | 3.400773 | 3.506286 | 3.851332 | 3.755393 | 3.817065 |
| | | | SPKGRA | 3.500649 | 3.551274 | 3. 5921 60 | 3.562785 | 3.459435 | 3.510059 | 3.652581 | 3.550946 | 3.601570 | 3.532164 | 3. 582789 | 3.481153 | 3. 531778 | 3.674300 | 3.490949 | 3.541574 | 3.684096 | 3. 58 24 60 | 3.490563 | 3.633085 | 3.652114 | 3.560217 | 3.458581 |
| | | | 2ANC1 | 3.689495 | 3.653470 | 3.673721 | 3.658002 | 3.672749 | 3.636724 | 3.657030 | 3.677282 | 3.641257 | 3.633894 | 3.597869 | 3.618120 | 3.582095 | 3.602431 | 3.617148 | 3.581123 | 3.601429 | 3.621681 | 3.565350 | 3. 585656 | 3.739329 | 3.682697 | 3.702949 |
| | | 29
23 | EZ UNO | 3.745896 | 3.749053 | 3.757554 | 3.802114 | 3.717422 | 3.720579 | 3.759080 | 3.770483 | 3.773640 | 3.697409 | 3.700566 | 3.709066 | 3.712223 | 3.753625 | 3.668935 | 3.672092 | 3.713495 | 3.721996 | 3.683750 | 3.725153 | 3.803259 | 3.765013 | 3.773514 |
| | | 4289. | WESLEY | 3,355675 | 3.437311 | 3.422034 | 3.503670 | 3.309193 | 3.390829 | 3. 591001 | 3.575723 | 3.657359 | 3.356237 | 3.437873 | 3.422595 | 3.504231 | 3.704403 | 3.309755 | 3.391391 | 3.591562 | 3.576285 | 3.457749 | 3.657921 | 3.528278 | 3. 409742 | 3.394465 |
| | | FREEDOM = | SUPDEC | 3.518154 | 3.536038 | 3.604449 | 3. 71 0069 | 3.454805 | 3.442689 | 3.560425 | 3.658835 | 3.646723 | 3, 428073 | 3.415958 | 3. 51 4368 | 3.532253 | 3.619989 | 3.364724 | 3.352609 | 3.470344 | 3.568755 | 3. 438904 | 3.556639 | 3.733719 | 3.603868 | 3.702278 |
| #C | 150.6825
-2.1352
1.2540
-3.3879
2.5107
2.5107
-3.1672 | DEGREES OF FREEDOM | ORDS AT | 3.585917 | 3.655488 | 3.596465 | 3.759676 | 3.575413 | 3.644985 | 3.738624 | 3.679600 | 3.749172 | 3.695069 | 3.671001 | 3.611978 | 3.681549 | 3.775189 | 3.590926 | 3. 6604 98 | 3.754137 | 3.695113 | 3.671046 | 3.764685 | 3.753808 | 3.729741 | 3.670717 |
| NOTAMS | 134,4750
1,4483
0,8542
2,9642
-1,1966
1,1966
-1,1603
-5,2235 | DEGREES OF FREEDOM = 4289.
ESTIMATED CELL MEANS, ALL GROUPS - CELLS X VARIABLES | CONSAT | 3.769256 | 3. 790558 | 3.990032 | 3.865547 | 3.715395 | 3.736696 | 3.592483 | 3. 936170 | 3.957472 | 3.737820 | 3.759122 | 3.812810 | 3.958596 | 3. 979898 | 3.683959 | 3. 705261 | 3.651048 | 3.904735 | 3.780250 | 3.926037 | 3.844393 | 3.719939 | 3. 773596 |
| CLRPIC | 109-1022
1-3580
-1-1584
-0-6309
-1-0392
1-8491
-0-0612
-1-3173 | . [| ACCHED | 3.566875 | 3. 550187 | 3.594357 | 3.577669 | 3.521877 | 3.505189 | 3.668554 | 3.712724 | 3.696036 | 3.604896 | 3.588208 | 3.632378 | 3.795744 | 3.779055 | 3.559898 | 3.543210 | 3.706575 | 3.750745 | 3.570692 | 3.734057 | 3.672305 | 3.492252 | 3.536422 |
| EZCONP | 112.3222
-0.2535
0.5972
0.7266
-2.0973
-0.7523
-1.3493 | | ANTHA | 3.591247 | 3.600451 | 3.568972 | 5 | | | | 3.690109 | | 3.584949 | | | 3.571877 | | 3.509234 | | | | 3.496133 | 3.693014 | 3.630457 | 3.442779 | 3.411301 |
| | ~~~~~ | | | - 2 | m + , | v • | ~ • | • 5 | == | 13 | ::: | 29 | 181 | 10 | 22 | 22 | 52 | 25 | 27 | 20 | 30. | z : | 32 | * | 35 | 25 |
| | | | | | | 4-2 | 7 | | | | | | | | | | | | | | | | | | | |

| 3.922579
3.828140
3.933653 | 3.344068 | 3.355143 | 3.415315 | 3.320876 | 3.426393 | 3.850018 | | 10 | PMPCON | 3.755579 | 3.951393 | 3. 921265 | 3.826826 | 3.932339 | 3. 23/241 | 3.248316 | 3.353829 | 3.308488 | 3.319562 | 3.425076 | 3.800420 | 3.811495 | 3.917008 | 3.871557 | 3.977180 | 3.988255 | 3,293156 | 3.398670 | 3.304231 | 3. 364403 | 3.469917 | 3.375478 | 3. 480991 | | 3.810181 | 3.915694 | 3.873353 | 3.975866 | 3. 881428 | 3.980941 |
|--|------------|-----------|-----------|----------|-----------|-----------|-------------------|----|---------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|----------|-------------|-----------|-----------|-----------|------------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 3.501133
3.509206
3.651728 | 3. 61 0899 | 3.661524 | 3.559888 | 3.467991 | 3.610513 | 3.683628 | | 6 | SPKGRA | 3.591731 | 3.734253 | 3.632617 | 3.540720 | 3.683242 | 3.642414 | 3.550517 | 3. 693039 | 3.448881 | 3. 499506 | 3.642028 | 3.514213 | 3. 564838 | 3.737360 | 3.463232 | 3.605724 | 3.656349 | 3,472998 | 3.615520 | 3.52.5623 | 3.421988 | 3.564509 | 3.472612 | 3.615134 | 07/24676 | 3. 596352 | 3.738874 | 3.494717 | 3. 637239 | 3.242542 | 3.05/803 |
| 3.666924
3.666924
3.687230 | 3.722283 | 3.686258 | 3.706510 | 3.650178 | 3.670484 | 3.683428 | | • | LONYZ | 3.627096 | 3.647402 | 3.667654 | 3.611323 | 3.631629 | 3.666587 | 3.610351 | 3.630657 | 3.630603 | 3.594577 | 3.614883 | 3.678700 | 3.642675 | 3.662981 | 3.662927 | 3.683233 | 3.647208 | 3.661955 | 3.682261 | 3.665346 | | 3.666487 | 3.610156 | 3.630462 | 3 643405 | 3.587074 | 3.607380 | 3.637326 | 3.627632 | 3.571301 | 1001600 |
| 3.776671
3.818074
3.733383 | 3.774786 | 3.777943 | 3.786443 | 3.748197 | 3. 789600 | 3.754772 | IBLES | 1 | E Z UND | 3.716526 | 3.757929 | 3.766430 | 3.728183 | 3. 769587 | 3.726298 | 3.688052 | 3.729455 | 3.696553 | 3.699710 | 3.741113 | 3.724484 | 3.727641 | 3.769044 | 3. 736142 | 3.777545 | 3.780702 | 3.696011 | 3.737414 | 3.699158 | 3.707668 | 3.749071 | 3, 710825 | 3.752228 | 3 717400 | :5 | 3.720557 | 3.687655 | 3.729058 | 3.090512 | 3.132213 |
| 3.594636
3.476101
3.676272
3.281624 | 3.363260 | 3.563432 | 3.548154 | 3.429619 | 3.328668 | 3.528839 | CELLS X VARIABLES | • | WE SLEV | 3.610304 | 3.610475 | 3.595198 | 3.476662 | 3.676834 | 3.482357 | 3.363822 | 3.563993 | 3.348544 | 3.430180 | 3.630352 | 3.367692 | 3.449328 | 3.649499 | 3. 434050 | | | 3.32121 | 3.521381 | 3.603017 | 3.387569 | 3.587740 | 3.469204 | 3.669375 | 3. 568425 | 3.449889 | 3.650061 | 3.434611 | 3.634783 | 3 716419 | 614011 |
| 3.690163 | 3.670370 | 3. 658255 | 3.756665 | 3.626814 | 3.525903 | 3.643639 | GROUPS - CE | • | SUPDEC | 3.513788 | 3, 631523 | 3.723934 | 3. 600083 | 3.717818 | 3.580290 | 3.450439 | 3.568174 | 3.548849 | 3.536733 | 3.654469 | 3. 52 37 92 | 3.511676 | 3.629412 | 3.610086 | 3 507071 | 3.715707 | 3.460442 | 3.578178 | 3. 566063 | 3.546737 | 3.664473 | 3.534622 | 3.652357 | 1 561647 | 3.421596 | 3.539331 | 3. 520006 | 30 | 1697 (691 | 3.06.20.6 |
| 3.740288
3.833928
3.649665 | 3.743305 | 3.012876 | 3.753852 | 3.729785 | 3.675682 | 3. 769322 | MEANS, ALL | • | OROSAT | 3,745254 | 3.838893 | 3.779869 | 3.755802 | 3.849441 | 3. 758818 | 3.734750 | 3.828389 | 3.675726 | 3.745298 | 3.838937 | 3.625113 | 3.694685 | 3.788324 | 3.635661 | 3 705232 | | | 3. 708249 | 3.004181 | 3.625157 | 3.718796 | 3.694729 | 3 440434 | 3 734 245 | 3.710198 | 3. 803837 | 3.651174 | 3.744813 | 3.160140 | 20011000 |
| 3.794898 | 3.666047 | 3.611634 | 3. 865521 | 3.741037 | 3.667171 | 3.812958 | ESTIMATED CELL | • | CONS AT | 3.688473 | 3.834260 | 3.887947 | 3.763462 | 3.939249 | 3. 759097 | 3.634612 | 3.780399 | 3.688299 | 3.739631 | 3.855388 | 3.733875 | 3.755177 | 3, 900963 | 3.808864 | 3.954651 | 3.975953 | 3.580014 | 3.825800 | 3.467132 | 3.755003 | 3.900790 | 3.776335 | 3.922092 | 3.848226 | 3.723742 | 3.869528 | 3.777429 | 3.923216 | 3 044617 | 10000 |
| 3.519734
3.519734
3.683099
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| 000 | 3. 778468 | 3.763285
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CELLS X VARIABLES | 3.804751
IBLES | 3.654362 | 3.647813 | 4.090567 |
| | ANTNES | ACCNFO | CONSAT | ORD SAT | SUP DEC | MESLEN | FZUND | LONYZ | SPK GRA | PAPCON |
| 202 | 3.518914 | 3.544128 | 3.513547 | 3.584658 | 3.180381 | 3.231229 | 3.720060 | 3.669109 | 3.464463 | 3.395468 |
| 503 | 3.724998 | 3.527439 | 3.634849 | 3.654229 | 3.168266 | 3.312865 | 3.723217 | 3.653390 | 3.515088 | 3.406543 |
| 205 | 3. 496639 | 3.571610 | 3.588536 | 3.595206 | 3.266676 | 3.297587 | 3.731718 | 3.653336 | 3.413452 | 3.466715 |
| 202 | 3.505842 | 3.554921 | 3.709838 | 3.664777 | 3. 254561 | 3.379223 | 3.734875 | 3.617310 | 3.555974 | 3.477789 |
| 208 | 3. 702723 | 3.718287 | 3.855625 | 3.758417 | 3.372296 | 3.579395 | 3.776278 | 3.637616 | 3.606599 | 3.583303 |
| 210 | 3.785241 | 3.790512 | 3.781759 | 3.704314 | 3.271385 | 3.478444 | 3.741450 | 3.650560 | 3.679714 | 4.006931 |
| 211 | 3.597563 | 3.510459 | 3.557275 | 3.683246 | 3.141534 | 3.359908 | 3. 703204 | 3.594228 | 3.587817 | 3.912493 |
| 213 | 3.566084 | 3.654629 | 3.710962 | 3. 621223 | 3.239945 | 3.344630 | 3.711704 | 3.614480 | 3.486181 | 3.972664 |
| 214 | 3.762956 | 3.817994 | 3.856749 | 3.714862 | 3.357680 | 3.544802 | 3. 753107 | 3.634786 | 3.628733 | 4.378178 |
| 216 | 3.772169 | 3.801306 | 3.878051 | 3. 784434 | 3.345565 | 3.626438 | 3.756264 | 3.598761 | 3.679328 | 4.089253 |
| 217 | 3.512615 | 3.582148 | 3.582112 | 3.600171 | 3.090301 | 3.231790 | 3.671573 | 3.613508 | 3.495977 | 3.394154 |
| 219 | 3.521818 | 3.565460 | 3.603414 | 3.669743 | 3.078185 | 3.313426 | 3.674730 | 3.577483 | 3.546602 | 3.405229 |
| 220 | 3.718700 | 3.728826 | 3.749200 | 3.763382 | 3, 195921 | 3.513598 | 3.716133 | 3.597789 | 3.689124 | 3.510742 |
| 222 | 3.687221 | 3.772996 | 3.802888 | 3.704358 | 3.294331 | 3.498320 | 3.724534 | 3.618041 | 3.587488 | 3.570914 |
| 223 | 3.696425 | 3.592942 | 3.678403 | 3.680290 | 3.164480 | 3.379784 | 3.686387 | 3.561739 | 3.495591 | 3.476475 |
| 522 | 3.436986 | 3. 531190 | 3.596759 | 3.669414 | 3.341560 | 3.250142 | 3.764494 | 3.715082 | 3.514620 | 3.821521 |
| 227 | 3.633868 | 3.514502 | 3.618061 | 3, 738985 | 3.329445 | 3.331778 | 3.767651 | 3.679057 | 3.557142 | 3.927035 |
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| 230 | 3.611593 | 3.722037 | 3.817535 | 3.773601 | 3.545591 | 3.516672 | 3.817555 | 3.719615 | 3.606131 | 3.998281 |
| 231 | 3. 423915 | 3.541984 | 3.593050 | 3.749533 | 3.415740 | 3.398136 | 3.779308 | 3.663283 | 3. 51 4234 | 3.903843 |
| 233 | 3.361242 | 3.486192 | 3.542898 | 3.658910 | 3.278211 | 3.203660 | 3.736020 | 3.698337 | 3.473435 | 3.314258 |
| 234 | 3.558124 | 3.549557 | 3.588595 | 3.752550 | 3.395946 | 3. 403831 | 3, 777423 | 3.718643 | 3.615927 | 3.419771 |
| 235 | 3.370446 | 3.469504 | 3.564200 | 3.728482 | 3.266395 | 3.285296 | 3.739177 | 3.662311 | 3.524030 | 3, 325332 |
| 237 | 3.338957 | 3.513674 | 3.617887 | 3.669458 | 3.364506 | 3.270018 | 3.747678 | 3.682563 | 3.422395 | 3.395534 |
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| 241 | 3.430688 | 3.569211 | 3.555324 | 3.684927 | 3.251480 | 3.250703 | 3.716007 | 3.659481 | 3. 546135 | 3.820207 |
| 242 | 3.627569 | 3.552578 | 3.586626 | 3.754499 | 3.239364 | 3.450875 | 3.757410 | 3.679787 | 3.688656 | 3. 925721 |
| 544 | 3.636773 | 3.715888 | 3.732412 | 3.848138 | 3.357100 | 3.532511 | 3.760567 | 3.643762 | 3.739281 | 3.936796 |
| 542 | 3.408413 | 3. 596693 | 3.640313 | 3.695475 | 3.337774 | 3.317061 | 3.727664 | 3.643708 | 3.495124 | 3, 891454 |

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| | | | RIABLES | | | | | | | | | | | | | | |
| | | | - CELLS X VARIABLES | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 4.287908 | 4.460916 | 4.318307
4.225356
4.415172
4.096527
4.286343 | 4.383208
HEANS, ALL GROUPS | 14
HR.J.P | 3. 953919
4.143735
4.050784 | 4.033975
4.033975
4.223791
4.130840 | 4.320656
3.891367
4.081183 | 4.178048 | 4.286479 | 4.2368224.143871 | 4.316878 | 3.984454 | 4.081319 | 4.358943 | 4.455808 | 4.216335 | 101004.4 |
| 4.171973 | 4.173978
4.045642
4.211114
3.975304 | 4.140776
4.012440
4.177912
3.901554
4.057027 | 104162
ED CELL | 13
NOTANS | 3.868352 | 4.070960
3.870357
4.035829
3.907493 | 4.072965
3.837155
4.002627 | | 3.975998
4.141471
3.905660 | 4.071132
3.942796
4.108258 | 4. 073138
3.944801 | 3.874463 | 3.911599 | 3.982503 | 4.019539 | 3.949301 | .1110 |
| 3.700590 | 3.551956
3.557826
3.698095
3.515563 | 3.655832
3.561702
3.701971
3.555233
3.695502 | 3.741641
ESTI | 12
CLRPIC | 3.559109 3.599378 3.605248 | 3.502475
3.502475
3.642744
3.548614 | 3.506351 | 3.592759 | 3.634071
3.774340
3.591808 | 3.537947 | 3.581313 | 3.539050 | 3.585190 | 3.430667 | 3.476806 | 3.434543 | 3.3/4812 |
| 3.948297 | | | 3.852149 | 11
EZCOMP | 3.659581 3.852552 3.708204 | 3.901185
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3.740032
3.595673 | 3.596087 | 3.678440 | 3.727062
3.920044
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3.776098
3.969080 | 3.807927 | 3.856549 | 3.712634 | 3.673937 | 3.722559 | 3.722973 | 5.915954 |
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| | CELLS X VARIA | | |
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| 4.296391
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4.460464
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+ 46465
+ 465384
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+ 4652665 | |
| 3.951306
4.116778
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7 4,154086 | 4,025250 4,025250 3,995412 4,15808 4,15808 3,89163 4,041139 4,041139 4,05108 3,89163 4,05108 3,89163 4,05108 3,89163 4,05108 3,89163 4,05108 3,89163 4,05108 3,89163 4,05108 4 | 4.053246
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| | SELLS X VARIABLES | | | | |
|---|----------------------|--|--|---|---|
| 4.102833
4.192648
4.192647
4.3199513
4.3199513
4.503676
4.410725
4.171252
4.36117
4.268117 | 4EANS, ALL GROUPS - | | | | |
| 3.854571
4.020043
4.020107
4.057179
3.987369
4.115897
4.082639
3.917167
4.082639 | TIMATED CELL | 3.919172
4.084644
3.956307
4.121793
3.885969 | 3.923105
4.088577
3.987677
4.153149
4.024813
4.190285
3.954475 | 3.991610
4.157083
5.956480
4.121952
3.993616
4.159088
3.92377
4.088750
3.960413 | 3.849528
4.015000
3.886326
3.816326
3.981798
4.018934
4.018934
3.983803
3.985965
4.020604
3.982264
3.982264 |
| 3.437971
3.578240
3.464111
3.624379
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3.62237
3.666469 | ESTI
12
CLRPIC | 3.425603
3.565872
3.471742
3.612011
3.429479
3.569748 | 3.475618
3.615887
3.511060
3.551329
3.657199
3.514936 | 3.561075
3.701344
3.598571
3.598571
3.5944710
3.602477
3.508317 | 3.501848
3.642117
3.542117
3.588256
3.695724
3.695724
3.695136
3.69523
3.69523
3.699235
3.699235
3.639374 |
| 3.699534
3.892815
3.748156
3.941138
3.648643
3.647624
3.697255
3.697679
3.890660
3.746301 | 11
E2COMP | 3.585148
3.778130
3.633771
3.826752
3.634184 | 3.682807
3.875788
3.909519
3.765160
3.958141 | 3.814196
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3.846024
3.701666
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| | | | | 0100 | -0.938140 | 0.161896 | 1.563647 | -1.836790 | -0.090631
-2.329526 | -0.207357 | -0.355333 | 0.750370 | 0.544857 | 0.024726 | 0.494421 |
|--|------------------|--|--|-------------|-----------|------------------------------------|------------------------------------|-----------------------------------|------------------------|----------------------|-----------|-----------|----------|-----------|------------|
| | | | | SPC GRA | -0.157316 | -0.551274 | 0.347419 | -0.582789 | | | | | 0.582634 | 0.074278 | -1.091731 |
| | | | 80 | LONYZ | | 0.346530 | 0.143884 | 0.402131 | -0.637455 | 0.127431 | -0.682597 | 0.334348 | 0.313742 | 0.106109 | -0.627096 |
| | ABLES | | ANK 9 | FZUND | -0.634785 | 0.709544 | -3.761982 | 0.258031 | 0.622995 | 0.286505 | -0.565013 | 1.225214 | 0.222057 | 0.055862 | -0.216526 |
| | SELLS X VARIABLE | | DEL 3F & | | -0.522342 | 0.562689
-0.637483
0.274140 | 0.032652 | 0.361956 | 0.156740 | 0.210355 | -0.009742 | 0.518204 | 0.436568 | 0.042589 | -1.910304 |
| | GROUPS - | | Y FITTING 43
FULL CELLS - | SUPDEC | 0.148513 | 1.493962
-0.123774
-0.288138 | 0.016371 | 0.466306 | 1.647391 | -0.233719 | -0.403868 | 0.459481 | 0.341745 | 0.320251 | -0.253788 |
| 4.262910
4.452726
4.359775
4.259590
4.120302
4.301017
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4.390174 | # E A | HRLUP
6.297223
6.487039
6.057750
6.247566
6.154615 | 4.344430
ESTIMATED BY FII
- ROWS ARE FULL | ORDSAT | -0.585917 | 0.344512
-0.249128
-0.575413 | 0.261376 0.398570 -3.361736 | 0.235359 | -1.017899 | 3.262908
0.246192 | 0.270259 | 0.286695 | 0.339787 | -0.197893 | 0.254746 |
| 3.886836
4.052308
3.923972
4.089444
3.853634
4.019136
3.890770
4.056242
3.855539 | ESTIMATED CELL | 3.832775
4.058247
3.822437
3.987909
3.859573 | to all the same of | SONSAT | -0.991478 | 0.284505 | -0.182265
-0.182265
0.116393 | 0.240878 | 0.170254 | 0.155607 | 0.055255 | 0.333953 | 0.280265 | 0.187042 | 0.311527 |
| 3.534547
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3.481789 | 2 2 | 3.527928
3.668197
3.485666
3.625934
3.531805 | 3.672073
RAM | ACCNFD | -0.566875 | 0.311456 | 0.231738 | -0.588208
0.248427
0.106769 | 0.276737 | 0.183368 | -0.363941 | 0.552747 | 0.508577 | 0.289674 | -0.030272 |
| 3.68698
3.737320
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3.779338
3.625204 | = | E.COMP
3.673826
3.663807
3.674240
3.867221
3.722862 | 3.915844 | 1
ANTNED | -0.538129 | 0.401164 | -0.140504 | | | | | -0.367035 | 0.664443 | -0.052730 | V. 20531.7 |
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| -0.379058 | 0.17592 | 0.36573 | 0.06355 | .15777 | .14691 | .16843 | 3.44994 | .28190 | .41609 | .18014 | .04117 | .30379 | .01162 | .07186 | .13625 | .01222 | .0440 | .28777 | 0.19482 | .06816 | .01081 | -03281 | .22496 | .03540 | .22522 | .67791 | .03777 | .01103 | .31948 | .05935 | .02357 |
|-----------|---------|---------|---------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|---------|--------|--------|---------|---------|--------|--------|--------|--------|------------|--------|--------|--------|---------|--------|---------|--------|
| 0.097508 | .06037 | . 10510 | .13071 | .12484 | .14924 | .24186 | .24503 | .10326 | .11902 | .15745 | .02425 | .09340 | .06503 | .01599 | . 03941 | .03183 | .17366 | .13466 | 0.00632 | .00528 | .02837 | .06858 | .20550 | .68799 | .10346 | .85939 | .02541 | . 02399 | .04816 | .12036 | .01123 |
| 0.245219 | 49908 | .35881 | .54134 | .00177 | .60520 | .41362 | .05906 | . 68438 | .04193 | .26411 | .15944 | .17531 | .00821 | .03524 | .28841 | .05816 | .24990 | . 32410 | .41823 | .02858 | .13382 | .05179 | .36908 | .51713 | .37686 | .33072 | .04984 | . 08804 | .23558 | 0.06792 | .00673 |
| 0.072345 | .37903 | .18605 | .37861 | .08834 | .10328 | .74764 | .23105 | 0.94575 | .06564 | .19685 | .04851 | .31072 | .03983 | .01168 | .29227 | .13317 | .25884 | .11959 | .26395 | .02739 | .19505 | .18418 | .08005 | .37607 | .18309 | .13447 | .03800 | .01176 | .12009 | .02772 | .06852 |
| • • | 20. | 21 | 22 | 23 | 54 | 52 | 56 | 27 | 88 | 62 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 04 | 7 | *2 | £ 3 | : | 45 | 94 | 47 | | 64 | 20 |

RAW RESIDUALS - ROWS ARE FULL CELLS - COLUMNS ARE VARIABLES

| - | _ | 1.2 | 13 | *1 |
|--------|-------|----------|--------|-----------|
| EZCONS | CHO | CLRPIC | NOTAMS | HRLUP |
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| 7 | 7851 | .21 | • | .2067 |
| ٣. | 6140 | * | | .3794 |
| | 91196 | .39 | • | • |
| 9 | 8815 | 25 | • | .2406 |
| 7 | • | Ξ | • | |
| 9 | 3301 | 8 | | 100 |
| 6 | 5673 | .1486 | • | |
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| .4529 | .0965 | .23657 | .05455 | .12392 | .26374 | .26605 | 0.54875 | .45580 | 0.14562 | .03694 | .51379 | .10674 | .02345 | .35815 | .13871 | .27718 | .13499 | .32384 | .07854 | .02010 | .05186 | .08174 | . 26103 | .26211 | .16916 | .24759 | .08640 | 3.084115 | .36096 | .0097¢ |
|--------|---------|---------|--------|---------|--------|---------|---------|--------|---------|---------|---------|---------|--------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|--------|--------|---------|--------|-----------|--------|--------|
| .59434 | .25223 | 0.06675 | .01599 | 0.25519 | 11027 | 0.01749 | 0.14797 | .01953 | 0.18511 | 0.71536 | .11677 | .51155 | .12304 | .14805 | .17758 | . 67805 | .13162 | .19122 | .16379 | .04713 | .00973 | . 08239 | .01512 | .01393 | 11443 | . 23141 | .15879 | 0.112399 | .05307 | .18273 |
| 180 | .2679 | 12608 | 14190. | .41868 | .07841 | .30566 | .42936 | .52319 | .38292 | 1.04457 | .51817 | . 57595 | .32050 | .22969 | 11644. | .75605 | .16343 | .40298 | . 22766 | .32865 | 13637 | .05722 | .37530 | .40170 | .50416 | .11568 | .17262 | -0.114202 | .41219 | .59472 |
| 77252 | . 58712 | .08960 | .12221 | .43643 | .09345 | .17393 | .13308 | .27744 | .91554 | .27710 | . 80342 | . 34093 | .25816 | 19101. | .21656 | .65499 | 7141C. | .91994 | .03572 | .39166 | .05835 | .05436 | .02846 | .11188 | .25624 | .32215 | .36727 | -0.297892 | .17579 | .36836 |
| 10 | 11 | 12 | 13 | 14 | 75 | 16 | 11 | 78 | 62 | 80 | 81 | 82 | 83 | *8 | 85 | 86 | 18 | 88 | 89 | 06 | 16 | 92 | 93 | *6 | 95 | 96 | 16 | 86 | 66 | 130 |

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CLRPIC | | | 0.053551 | | | | | | | | | | | | | | | | | | |
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E 2C ONP | .175380 | .049758 | 130 | .172869 | 965500 | .048742 | .042966 | .144984 | .004632 | .081210 | .107740 | 119561. | .155259 | .027739 | .137485 | .175728 | . 226852 | .648643 | .158375 | .297265 | 134601 |

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| | - COLUMNS ARE VARIABLES | EZUND
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| | COLUMNS AR | 6 MESLEN CO. 545129 -0.545129 -0.580396 -0.665293 -0.0865293 -0.094971 |
| | | RESIDUALS IN STD. DEV. UNITS - FULL CELLS X VARIABLES CONSAT DRDSAT SUPDEC MESLEN 17 -1.117362 -).695825 0.142502 -0.545129 -0.67 46 0.095745 -).097030 0.829140 0.586293 0.75 170 -0.491745 -).295860 -0.118765 -0.665293 0.75 181 0.326435 0.31040 0.41785 -0.09971 0.80 193 0.131171 -0.429592 0.015709 0.034076 0.20 193 0.271441 0.39073 0.560406 -0.456975 0.37 |
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| 2= | 1117675 | 201183 | 0.107165 | 0.279509 | 0.447435 | 0.377746 | 0.276143 | -1.665342 | | |
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| 12 | 0.696719 | 210012 | | | | | | | | 1.271243 |
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| | 0.174634 | -1.031457 | • | | -0.387524 | | | | | |
| 0 : | 0.102377 | • | | • | 0.345449 | | -0.035726 | | | |
| | 5094695 | 0.430840 | | 0.304847 | | | 1.311215 | | -0.66.8510 | -1 26733 |
| 2: | -0.407685 | | | 0.333430 | | | 0.281954 | | | 26619301 |
| 17 | 0.484383 | | 0.212057 | 0.222225 | 0.327915 | | 0.237644 | 0.322887 | | 0.00000 |
| 22 | 0.738034 | | | 0.403525 | | | 0.272856 | | 0.637579 | 1400000 |
| 5 2 | -0.004665 | | | 0.385155 | | | 0.059783 | | | 400000 |
| 57 | -0.058570 | 0.334868 | | -3.235014 | | | -0.196213 | | | |
| 52 | 0.625932 | | | 0.302533 | | | -0.231725 | | 1 10466 | |
| 97 | 0.486585 | | | -0.232809 | | | -0.428918 | | | |
| 27 | 0.442210 | | | 3.261423 | | | -1 890420 | | | |
| 88 | -0.096444 | | | -0.231092 | | | -0 103665 | | -0.092210 | |
| 62 | 0.097690 | | | 0.394386 | | | 0.292913 | | | |
| 30 | -0.063999 | | | 3.431733 | | | 0062370 | | | |
| 31 | 0.189653 | | | 0.385102 | | | 0.401470 | | | |
| 35 | -0.079464 | -0.006279 | | -0.049830 | | | 0 0001 | | | |
| 33 | 0.072840 | -0.015653 | | 0.041103 | | | 268670.0 | | | |
| 34 | 0.088095 | 0.259473 | | -3.043691 | -0.253711 | | -0 271783 | | 0.005143 | |
| 35 | -0.079439 | 0.070620 | | -0.076765 | | | | 847787-0- | | |
| 36 | -0.052323 | -0.569539 | | -0.245936 | | | | 166840.0 | | -0.194694 |
| 37 | 0.284368 | 0.232509 | | 3.321479 | | | -0.329150 | -0.241186 | -0.194228 | -0.417798 |
| 38 | -0.062545 | 0.440654 | | 350061 | 386769 | | 0.238070 | -0. 703148 | | 0.021517 |
| 33 | 0.105943 | 0.049750 | | 0.034832 | | | 1.349193 | 1.413122 | | 1.053472 |
| 04 | -0.075818 | -0.177535 | | -1.167838 | | 0.058113 | -0.011135 | 0.036336 | 0.041983 | 0.059313 |
| 14 | 0.103649 | -0.098028 | | 32020 | 271767 | | 0.010872 | 0.027249 | | -0.373912 |
| 45 | 0.295235 | 0.136276 | | | 7.971267 | -0.139444 | -0.048503 | -0.010852 | | 0.438452 |
| 43 | | -0.393632 | | 0.203037 | 258/170 | | 0.056220 | -0.026230 | | |
| ** | | 0.284528 | | | 7084.000 | | -1.024889 | -0.922303 | | |
| 45 | -0.752477 | 0.303820 | | | 1.531478 | | 0.268542 | 0.343234 | 0.476559 | |
| 46 | 0.096545 | 0.034850 | | | 0 00 00 00 | | 0.265164 | 0.380309 | 0.421160 | |
| 41 | -0.094373 | -0.020511 | | | 0.055193 | 0.060465 | 0.046072 | 0.123249 | | |
| 48 | -0.080291 | -0.438542 | | | 295510-0- | -0.027929 | -0.058754 | -0.040383 | • | 0.070291 |
| 64 | -0.109337 | -0.267902 | • | 259463 | 9131311 | 626210.0- | 0.477141 | -0.218256 | | -0.292472 |
| 20 | -0.079415 | 0.263729 | 0.050.0 | 1 174755 | 0.020030 | -0.042063 | -0.144581 | -0.298769 | 0.018847 | 0.010499 |
| | | | | | 1411.600 | 076 140 -0- | 0.186490 | 0.048485 | | 3.144327 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | RES | DUALS IN SI | DEV. UN | ITS - FULL | RESIDUALS IN STO. DEV. UNITS - FULL CELLS X VARIABLES | IABLES | | | |
| | | | | | | | | | | |
| | ANTAGA | 2 | 3 | • | 2 | 9 | 1 | • | 6 | 10 |
| | Carre | Accept | CONSAT | ORDSAT | SUPDEC | MEST EN | EZUND | LONYZ | SPKGRA | NCOdha |
| 15 | 0.138358 | -0.039236 | 9.119846 | 0.033266 | 0.133291 | -0.078412 | -0.122403 | 0 034676 | | |
| 25 | | | | -0.698991 | -0-130519 | -0.536964 | 0.017108 | -0 120563 | 0.017600 | -0.70359 |
| 53 | 0.121748 | | | 0.029510 | 0.212044 | 0.050328 | | -0-015311 | -3.033916 | -0.556550 |
| | | | 0.311530 | 0.426734 | -0.438176 | -0.405061 | .364742 | 0.421354 | | 3.533548 |
| 24 | | | | 0.081340 | 0.123183 | | | -0.048590 | | -0.071994 |
| 22 | -0.125750 | -0.221624 | | -0.012346 | -0.083655 | | | -0.033532 | | 0.042282 |
| 28 | | -0.057460 | 226110.0 | -0.091003 | -0.658649 | | | 0.100165 | | -0.193372 |
| 29 | | 0.873676 | | 344503 | 84660-0 | -0.127249 | -0.336486 | -0.288618 | | -0.122499 |
| 65 | 1.223345 | 0.507628 | 0.271016 | 0.261880 | 0.201888 | | | 0.659868 | | 0.511883 |
| 21 | 0.449280 | 0.318776 | 0.136723 | 3.153676 | 0.178917 | | 0761970 | 95353894 | -3.57.2069 | 0.187138 |
| | | | | | | | 110117 | 044366.0 | 3. 30 62 / 3 | 3.387548 |
| | | | | | | | | | | |

| Coloniary Colo | | | 10010 | | 20000 | | | 20200 | 14676 | 0000000 |
|--|-----|------------|-------------|-------------|------------|-------------|-----------|-----------|-----------|-----------|
| 0.019346 0.21939 0.119476 0.12299 0.13774 0.00939 0.137996 0.137999 0.137999 0.10099 | | 0.190603 | -0.331984 | | 10.002210 | | 200000 | 1162010 | 0 183224 | 200000 |
| Control Cont | 2 | 0.333390 | 0.034530 | | 933505 | | 0.04060 | 333004 | | 0.161676 |
| -0.001931 | 7 | 000113300 | 00000 | | 13000 | | 4660000 | 000000 | | 0.10100 |
| 0.019318 0.151513 0.151526 0.151527 0.151528 0.151529 0.151529 0.151529 0.151529 0.151529 0.151513 0.151529 0.151513 0.1 | | 16000 | 0.030367 | | 0.16.099 | | 101941.0 | 0.00333 | | 2000000 |
| | | 20000 | 230052 | | 724976 | | 228004 | 0.114204 | | 104100 |
| | 22 | -0.011312 | 0.057612 | | 0.132260 | | 3.016629 | 0.142426 | | 0-156066 |
| \$\text{D_025953}\$\tag{0.016153}\tag{0.016156}0.016156 | 1 | -0.133624 | 3.330449 | | -0. 592832 | | 0.317189 | 0.174.040 | | 0.573273 |
| 0.02893 0.028799 0.027799 0.023284 0.028710 0.02493 0.017275 0.028682 0.001034 0.001879 0.001879 0.004814 0.004814 0.004 | 525 | 0.255531 | 0.156153 | | | | 0.629611 | 0.010093 | | -1.472183 |
| -0.0100116 0.005596 0.104152 0.223824 0.045507 0.046055 0.0010222 -0.127788 0.011806 0.251378 0.011806 0.251378 0.011806 0.251378 0.011806 0.251378 0.011806 0.251378 0.011806 0.251378 0.011807 0.13178 0.011806 0.251378 0.011807 0.131778 0.011806 0.251378 0.011807 0.131778 0.011807 0.131778 0.1317778 0.131778 0.131778 0.131778 0.131778 0.131778 0.131778 0.131778 0.131778 | 245 | 0.028983 | -0.036598 | | | | 3.116912 | 0.117754 | | -0.155747 |
| -0.01804 -0.45172 -0.020866 0.159788 0.051218 0.259740 0.139918 0.231058 0.051804 0.25938 0.021804 0.159781 0.251808 0.251808 0.1081804 0.251808 0.159781 0.251808 0.251808 0.201804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.251808 0.1681804 0.278180 0.251808 0.1681804 0.281808 0.251808 0.1681804 0.251808 0.268180 0.268180 0.201807 0.16818 0.251808 0.268180 0.2681 | 131 | 0.108116 | 0.085969 | | | | 0.040635 | 0.001292 | | -0.109515 |
| 0.089039 -0.356407 0.378806 0.251308 0.019128 0.205430 0.113911 0.32108 0.2089039 0.208903 0.2089039 0.2089039 0.2089039 0.208903 0 | 353 | -0.030544 | 99800000 | | 0.042146 | | 0.249740 | -0.308288 | | 0.356595 |
| 0.033999 0.230407 0.416123 1.300998 1.601060 0.201833 0.231295 0.231295 0.231399 0.202331 0.231295 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.2416129 0.146142 0.241642 0. | 555 | 0.011806 | -0.445172 | | 0.169258 | | 0.205430 | 0.133931 | | -0.119957 |
| 0.541836 0.110650 0.416123 1.130995 1.0.34248 0.201836 1.1700028 1.111013 1.200958 1.0.301839 0.201838 | 525 | 0.089039 | -0.369407 | | | | 0.513751 | 0.312193 | | 0.066626 |
| 0.554836 D.31040 D.444706 -2.15891 -0.32468 D.199515 -2.759074 -0.202731 D.259025 D. | 510 | 0.333692 | 0.170650 | | | | 0.201893 | 0.291295 | | -0.332364 |
| 0.157459 -0.255664 -0.231950 0.189962 0.452238 0.0436787 -0.190523 0.2536116 0.190525 0.180525 0.454684 0.231950 0.118712 0.105453 -0.436587 -0.118725 0.436587 -0.2190820 0.436787 -0.118725 0.255116 0.190820 0.180522 0.645983 0.105413 0.171618 | 031 | 0.541836 | 0,310940 | | | | -1.897561 | -1.709028 | | 0.056183 |
| 0.5770206 - 0.202593 - 1.946589 - 0.120172 - 0.064133 - 1.906020 - 0.019529 - 0.449189 - 0.570206 - 0.202593 - 1.946589 - 0.22048 - 0.22 | 340 | -0.225025 | 0.146644 | | | | 0.198515 | -2.759074 | -0.202731 | 0.428148 |
| -0.770206 - 2.022533 - 1.945649 - 0.20647 0.015547 0.310529 - 0.44588 0.015547 0.310640 0.34578 0.345652 0.245784 0.310640 0.245784 0.245787 0.316640 0.345787 0.316640 0.245787 0.0155478 0.366572 0.366572 0.015573 0.316640 0.245787 0.0155478 0.01 | 335 | 0.574563 | -0.355664 | • | | | -0.436787 | -0.013523 | | 0.544329 |
| 0.015547 0.31564 0.457180 0.23778 0.72652 0.257326 0.54569 0.044377 0.310047 0.21957 0.299780 0.272652 0.007578 0.055734 0.009027 0.07782 0.045777 0.209507 0. | 486 | -0.770306 | -2.022593 | | -0.280642 | | -1.908020 | 0.308529 | | 0.445439 |
| 0.073280 0.043123 -0.169714 0.259205 -0.128782 -0.007578 -0.659734 -0.4016070 0.07848 0.07828 -0.093787 -0.139787 -0.1997770 -0.059201 0.097878 0.047848 0.048826 -0.033782 -0.097878 -0.078282 -0.097828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.047828 -0.07782 -0.077828 -0.07788 -0.077 | 858 | 0.015847 | 0.371660 | | 0.323718 | | 3.273296 | 0.366502 | | 0.534486 |
| 0.099707 0.013979 0.397700 0.0995071 0.921619 0.075418 0.0337582 0.0030527 0.077828 0.077828 0.2397700 0.541377 0.52137 0.52 | 1 | 0 443737 | 0 370373 | ' | 0.269205 | | -0 007576 | -0 653736 | | 0.202566 |
| 0.077888 0.043173 0.52174 0.57852 0.57852 0.578452 0.578452 0.578782 0.577888 0.043173 0.52174 0.57888 0.431073 0.52174 0.57888 0.431073 0.52174 0.57888 0.431073 0.52174 0.57888 0.431073 0.52174 0.57878 0.5 | | 20000 | 20000 | | 0.25.02 | | 0.00 | -0 337503 | | 100774 |
| 0.773280 0.431073 0.521377 0.53527 0.52655 0.526817 0.5252574 0.517643 0.573280 0.431737 0.521377 0.52527 0.52657 0.52667 0.52687 0.573280 0.431745 0.573280 0.431745 0.573280 0.431745 0.573282 0.573645 0.573764 0.573764 0.573764 0.57376 0.58687 0.573764 0.573764 0.57376 0.58687 0.573764 0.57376 0.573764 0.57376 0.573764 0.57376 0.57377 0 | 151 | 20000 | 0.013737 | | 100000 | | 0.000 | 200100 | | 0 53573 |
| 0.176613 -0.035214 0.0271857 0.1378526 0.033547 0.0376426 0.0127810 0.0276431 0.0276436 0.0276436 0.037646 0.027645 0.033478 0.037648 0.037648 0.037649 0.03 | 2 | 0.077828 | -0.043363 | 1 | -0.455674 | | 7949790 | 26666.0 | | 0. 35367 |
| 0.210149 0.24277 0.207080 0.052312 0.083547 0.0.174598 0.0.503298 0.0.570867 0.211049 0.24277 0.205645 0.007299 0.070207 0.511045 0.0.39442 0.0.205645 0.007299 0.070207 0.514029 0.0.39442 0.007299 0.070207 0.514029 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39443 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39442 0.0.39443 0.0.39443 0.226477 0.0.39472 0.0.39443 0.226477 0.0.39472 0.0.39443 0.226477 0.0.39472 0.228430 0.28893 0.08893 0.08988 0.08988 0.08988 0.08983 0.08983 0.08983 0.08983 0.08983 0.08983 0.08983 0. | 359 | 0.123280 | 0.431073 | | 0.398528 | | 0.328383 | 6/1966-0 | | 964780-0- |
| 0.256049 0.22770 0.35752 0.152887 0.520162 0.734542 0.004499 0.227424 0.0072499 0.007270 0.351287 0.0158411 0.004499 0.227424 0.0072499 0.007270 0.274242 0.004499 0.2072663 0.0072499 0.007270 0.354209 0.334542 0.004499 0.007270 0.351742 0.0044799 0.0072704 0.0044711 0.0044799 0.007270 0.354479 0.0044799 0.007270 0.354479 0.0044799 0.0072891 0.0044799 0.00728671 0.0044799 0.00728671 0.0044799 0.00728671 0.0044799 0.00728671 0.0044799 0.00728671 0.0044799 0.00728671 0.0072893 0.0044799 0.00728671 0.0072893 0.004799 0.00728671 0.0072867 0.004799 0.0072867 0.007287 0.0 | 656 | 0.176613 | -0.055214 | | -0.331283 | | -0.174398 | -0.663398 | | -0.765532 |
| 0.274422 0.200663 0.007299 0.007207 0.534205 0.5364542 0.50044799 0.577687 0.576897 0.0017293 0.0077897 0.0017293 0.576897 0.0017293 0.576897 0.0017293 0.2006479 0.0044799 0.015037 0.586897 0.1528699 0.236699 0.0018479 0.0044799 0.04479 0.044799 0.04479 0.044799 0.044799 0.044799 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0.04479 0. | 167 | 0.361049 | 0.242770 | | -0.192582 | | -0.789315 | 0.402826 | | -0.506672 |
| 0.311742 0.078499 0.0.37448 0.0.35121 0.0.45479 0.0.102895 0.0.17511 0.039574 0.0.126897 0.0.45411 0.039574 0.0.126897 0.0.116417 0.039574 0.0.126897 0.0.144113 0.038495 0.1.44355 0.136452 0.0.20893 0.0.46479 0.0.16479 0.0.14679 0.0.165037 0.0.146113 0.038495 0.1.16479 0.0.14679 0.0.14695 0.0.14 | 148 | 0.274242 | 0.209663 | | 0.070207 | | 0.034542 | 0.094995 | | -0.071098 |
| 0.0447113 0.086435 0.146355 0.038817 -0.046086 -0.164719 0.0154627 0.015637 0.0447115 0.084435 0.146355 0.0186175 0.046479 0.0126822 0.226479 0.056508 0.056608 0.0286485 0.046452 0.016085 0.0126822 0.227749 0.058895 0.058895 0.046495 0.018686 0.0286479 0.0125179 0.0126419 0.058895 0.046495 0.018648 0.0287449 0.0127740 0.058649 0.0287459 0.012842 0.056419 0.057749 0.0277449 0.057649 0.01057 0.0649234 0.0295342 0.045787 0.0117740 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117740 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117740 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117740 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117740 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117720 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117720 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117720 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117720 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0117720 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.017649 0.057649 0.077649 0.057649 0.057649 0.057649 0.057649 0.057649 0.057649 0.0 | 231 | 0.311742 | 0.076890 | ١ | 0.155181 | | 0,349458 | 0.102885 | | 0.115241 |
| -0.0011715 0.038435 0.1146355 0.134652 -0.022801 -0.140855 0.126452 -0.212517 0.386897 0.135175 0.0386897 0.126452 0.226490 0.396897 0.135175 0.0386897 0.126452 0.226469 0.396897 0.135175 0.26069 0.2441429 0.526671 0.172337 0.277449 0.44585 0.387742 0.266605 0.2224415 0.126422 -0.200004 0.106710 0.306493 0.226605 0.2224415 0.10393 -0.200004 0.106710 0.128235 -0.242658 0.237439 0.226605 0.12762 0.173762 0.173790 -0.036125 -0.24336 0.131428 -0.242659 0.47377 0.28663 0.495181 -0.17082 0.173790 0.058824 0.256216 0.334622 0.354625 0.445855 0.4495177 0.28663 0.495181 -0.17080 0.55882 0.625382 0.425419 0.295342 0.425424 0.256419 0.037619 0.247119 -0.370519 0.131428 -0.2465919 0.224430 0.390755 0.043234 0.295342 0.426493 0.247119 -0.370519 0.156919 0.224430 0.390755 0.043234 0.295342 0.426493 0.247119 -0.370519 0.156919 0.247182 0.247119 0.295342 0.245419 0.024932 0.137839 0.024374 0.276493 0.247119 0.037022 0.137839 0.024374 0.024959 0.259540 0.024959 0.259540 0.024959 0.259540 0.024959 0.259540 0.024959 0.259540 0.024959 0.02495 0.024959 0.024969 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 0.024959 | 956 | -0.442113 | 0.083205 | | 0.038217 | | -0.163417 | -0.335724 | | -0.810151 |
| 0.385600 | 202 | -0.061715 | 0.038435 | 0 | 0.136052 | | -0.264479 | -0.044759 | | 0.111843 |
| 0.538897 0.155759 0.315416 0.441429 0.152671 0.172337 0.2774459 0.5464595 0.538897 0.152759 0.236416 0.566059 0.1315418 0.260605 0.225415 0.103993 0.200004 0.106710 0.152325 0.5464595 0.527041 0.200059 0.225415 0.103993 0.200004 0.106710 0.152325 0.5464595 0.499333 0.260605 0.758424 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.336422 0.4993187 0.286963 0.495311 0.177062 0.653862 0.002632 0.109695 0.150875 0.49777 0.286963 0.495311 0.177082 0.653882 0.002632 0.109695 0.150875 0.49777 0.286963 0.495311 0.177082 0.653882 0.0247119 0.0370519 0.566919 0.2224430 0.295342 0.295382 0.247119 0.0370519 0.669119 0.247197 0.286963 0.495314 0.295382 0.247119 0.0370519 0.669119 0.669119 0.295382 0.247119 0.0370519 0.669119 0.247132 0.0370519 0.269119 0.037052 0.150885 0.024732 0.027058 0.227139 0.259540 0.247739 0.259540 0.033702 0.03348 0.0025322 0.117230 0.033493 0.024377 0.050089 0.117348 0.0117320 0.033493 0.024377 0.117320 0.037022 0.117723 0.030493 0.22247 0.117318 0.024395 0.024395 0.024395 0.033493 0.032328 0.410528 0.045239 0.022331 0.059495 0.022331 0.059495 0.022331 0.059499 0.125348 0.011057 0.050089 0.117348 0.117723 0.050089 0.125348 0.002232 0.117723 0.050089 0.117342 0.032328 0.410685 0.022334 0.125318 0.022321 0.059499 0.032328 0.410685 0.022334 0.022334 0.125318 0.045238 0.410685 0.022334 0.125318 0.125318 0.125318 0.11807 0.032325 0.022321 0.059499 0.032328 0.410685 0.022334 0.022324 0.022334 0.022324 0.022334 0.002334 0.022334 0.002334 0.022334 0.002334 0.022334 0.002334 0.022334 0.002334 0.002334 0.002334 0.022334 0.002334 0. | 572 | 0.365080 | -0.609083 | 0 | 0. 394478 | | -0.140085 | 0.126822 | | 0.075020 |
| 0.57704) 0.306049 -0.815885 0.188848 0.213286 0.535542 0.546419 -0.349433 0.266605 0.225415 0.18933 -0.200004 0.106710 0.112235 -0.242658 -0.243369 0.113428 -0.424655 -0.249333 0.266605 0.225415 0.18933 -0.260605 0.17762 0.173790 -0.036185 -0.243369 0.113428 -0.424655 0.4495311 -0.17082 0.428424 0.226416 0.012632 0.109428 -0.424655 0.4495311 -0.17082 0.428424 0.226416 0.023342 0.101687 0.295342 0.426493 0.247119 -0.370519 0.33642 0.256493 0.247119 -0.370519 0.1508875 0.224430 0.495311 -0.17082 0.426493 0.247119 -0.370519 0.64959 0.1508875 0.244675 0.224430 0.2495311 0.244675 0.426493 0.247119 -0.370519 0.649519 0.647119 0.037051 0.244675 0.247119 -0.370519 0.649519 0.647119 0.037051 0.056919 0.224430 0.024932 0.03493 0.024935 0.034936 0.034938 0.034938 0.034938 0.034937 0.017720 0.030936 0.031738 0.034939 0.034 | 131 | 0.368897 | 0.155759 | | 0.41459 | | 0.172337 | 0.277449 | | -0.023469 |
| -0.39933 0.266605 0.225445 0.103993 -0.20004 0.106710 0.122325 -0.245658 -0.227995 -0.227445 0.117762 0.117762 0.117762 0.0158162 0.058162 0.131462 0.131462 0.117762 0.177762 0.058162 0.058162 0.024334 0.259760 0.058162 0.025132 0.109695 0.131462 0.35315 0.224430 0.390755 0.049234 0.295942 0.456493 0.247119 -0.370519 0.109695 0.1508175 0.286603 0.495311 -0.17082 0.456493 0.247119 -0.370519 0.109695 0.1508175 0.224430 0.299775 0.049234 0.2295942 0.247119 -0.370519 0.266919 0.224430 0.299776 0.01057 0.05083 0.279784 0.277189 0.259780 0.297781 0.029776 0.01057 0.05089 0.21031 0.231319 0.059099 0.117869 0.559950 0.63773 -0.603348 0.01057 0.05089 0.117869 0.0297878 0.01057 0.05089 0.117869 0.029787 0.0177820 0.029495 0.037022 0.117720 0.037022 0.117720 0.037022 0.117720 0.037022 0.127720 0.037022 0.127720 0.037022 0.127720 0.037022 0.127720 0.037022 0.127720 0.057028 0.184902 0.070288 0.18452 0.062669 0.027028 0.027028 0.184902 0.017028 0.027028 0.027028 0.184902 0.017028 0.027028 0.027028 0.027028 0.027028 0.027028 0.027028 0.0070288 0.027022 0.127720 0.037022 0.017028 0.027028 0.027028 0.027028 0.027028 0.027028 0.027028 0.027028 0.027022 0.017028 0.02702 0. | 553 | 0.577041 | 0.306049 | • | | | 0.213268 | 0.335422 | | 0.065578 |
| ACCHEO CONSAT OROSAT SUPPEC 0.295342 -0.203213 -0.245119 -0.310458 -0.45515 0.459315 0.4495187 -0.300052 0.764861 -0.554493 0.756410 0.756216 0.334452 0.359315 0.2471977 0.286963 0.495311 -0.170982 0.655882 -0.002132 0.109695 0.150875 0.247197 0.286963 0.495311 -0.170982 0.655882 -0.002132 0.109695 0.150875 0.247197 0.286963 0.495311 -0.170982 0.655882 -0.002132 0.109695 0.150875 0.150875 0.160919 0.224430 0.245119 -0.370519 0.160919 0.150873 0.247119 -0.370519 0.160919 0.150878 0.247119 -0.370519 0.160919 0.160919 0.160919 0.160919 0.160919 0.160919 0.19 | 735 | -0.349333 | 0.260605 | | | | 0.106710 | 0.152325 | | -0.231605 |
| -0.493187 -0.300052 0.758861 -0.559760 0.758424 0.256216 0.335452 0.353315 0.224430 0.47977 0.286945 0.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.2224430 0.390755 0.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.2224430 0.390755 0.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.2224430 0.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.647713 0.247119 0.247119 0.247119 0.247119 0.247119 0.247119 0.247119 0.647119 0.647719 0.647719 0.247119 0.2 | 189 | -0.207895 | -0.494007 | | | | -0.243369 | 0.131428 | | -0.315791 |
| RESIDUALS IN STD. DEV. UNITS - FULL CELLS X VARIABLES ACCNFO CONSAT OROSAT SUPPORT O.295342 0.426493 0.247119 -0.370519 0.646919 ACCNFO CONSAT OROSAT SUPDEC MESLEW EZUMO LONYZ SPRCRA -0.349762 -0.524852 -0.46382 -1.416845 0.217380 -0.259540 0.637732 -0.603348 -0.0054578 0.0117380 -0.201331 0.0041578 0.011057 0.050048 0.0117380 -0.117380 -0.201331 0.031348 -0.0052321 0.117320 0.021331 0.024395 0.0317720 0.031693 0.0117380 -0.201331 0.031349 0.0117380 0.021031 0.021331 0.031349 0.011057 0.0110 | 245 | -0. 495187 | -0.300052 | | | | 0.256216 | 0.336422 | | 0,611060 |
| ACCNFD CONSAT DROS O.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.2224430 0.390755 0.043234 0.295342 0.426493 0.247119 -0.370519 0.646919 0.2224430 0.245312 0.241119 -0.370519 0.646919 0.24119 0.2 | 230 | 0.471977 | 0.286963 | ò | -0.170982 | | -0.002132 | 0.109695 | | 0.511570 |
| ACCHO CONST ORDEA, UNITS - FULL CELLS X VARIABLES ACCHO CONST ORDEAT SUPPC MESLEY EZUND LOTYZ SPKSRA -0.347762 -0.524852 -0.463832 -1.416845 0.217889 0.559540 0.637732 -0.603348 -0.04576 0.011057 0.050048 0.2204377 -0.117380 -0.201531 0.0359540 0.53732 -0.603348 -0.04576 0.011057 0.050048 0.220477 -0.115975 -0.117380 0.2204650 0.054395 0.0359540 0.054395 0.0359580 0.0201531 0.031319 0.058888 0.0115345 0.015975 0.117723 0.0350640 0.051191 0.231319 0.05888 0.015315 0.0054397 0.117723 0.020660 0.052103 0.0550640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0500640 0.0400640 | 247 | • | 0.390755 | 0.043234 | 0.295342 | | 0.247119 | -0.370519 | | 0.554323 |
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| ACCINFO CONSAT ORDSAT SUPDEC MESLEY LY 8 8 9 9 8 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| ACCNFG CONSAT ORDS AT SUPDEC MESLEN EZUND LJUYZ SPKSRA CO.344762 -0.344762 -0.524852 -0.463832 -1.416845 0.217589 0.559540 0.657732 -0.603348 -0.036847 0.0117380 -0.201531 0.063548 0.0117320 0.050048 0.0117380 0.024395 0.035089 0.0117380 0.0117380 0.0117320 0.0117320 0.0117320 0.0117320 0.0117320 0.0117320 0.024395 0.024395 0.035689 0.0117380 0.024395 0.0126580 0.0117320 0.0211031 0.231319 0.059889 0.012334 0.015975 0.015978 0.015772 0.0250660 0.0117320 0.0211031 0.0211031 0.024190 0.059889 0.0153346 0.015315 0.006773 0.055078 0.0155089 0.0155089 0.0155089 0.0155089 0.0155089 0.0155089 0.015708 0.015708 0.015708 0.015708 0.015708 0.015708 0.015708 0.015708 0.015708 0.015708 0.017708 0.01 | | 2 | 3 | • | 2 | • | 7 | • | 6 | 2 |
| -0.3349762 -0.524852 -0.463832 -1.416845 0.217589 0.559540 0.637732 -0.603348 -0.03661 -0.03232 -0.030048 0.013738 -0.024377 -0.117380 -0.201531 -0.08556 0.033693 0.017380 -0.201531 -0.08556 0.033693 0.035281 0.150263 0.046556 -0.10677 0.069687 0.0552321 0.150263 0.050048 0.123336 -0.115315 0.055378 0.177220 0.226660 0.21031 0.231319 0.065888 0.123336 -0.115315 0.05578 0.177220 0.226660 0.040490 0.090457 0.153396 -0.105313 0.027022 0.0133123 0.027022 0.027022 0.0123123 0.035258 0.022008 0.090457 0.1523129 0.027022 0.1153123 0.045025 0.022008 0.070286 0.147148 0.118262 -0.62669 -0.808029 0.167164 0.054274 0.065272 0.211311 0.023132 0.052596 0.105085 0.1181107 0.054290 0.0022716 0.054290 0.0070286 0.0147148 0.118262 -0.62669 -0.808029 0.167164 0.022716 0.025304 0.065928 0.027022 0.025049 0.027022 0.123123 0.05255 0.027029 0.000898 0.0702188 0.410085 0.012716 0.025304 0.059214 0.06723 0.059595 0.000898 0.072108 0.055087 0.00099591 -0.006898 0.072108 0.055087 0.029304 0.107028 0.017028 0.017028 0.017028 0.017028 0.017028 0.017028 0.017028 0.017028 0.017028 0.017028 0.000898 0.072108 0.057108 0.057108 0.000898 0.072108 0.000898 0.072108 0.000898 0.000 | 20 | ACCNFO | CONSAT | OROSAT | SUPDEC | MEST EN | EZUND | ZANCT | SPKSKA | NOCANA |
| -0.036661 -0.03226 -0.020068 -0.0200437 -0.0117380 -0.201531 -0.083568 -0.04578 0.011057 0.020068 0.0115780 -0.015718 0.0024995 0.033593 0.033593 0.033593 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.035936 0.03503 0.035 | 14 | -0.369762 | -0.524852 | * | -1.416845 | 0.217589 | 0.559540 | | | -3.173771 |
| -0.041578 0.011057 0.050048 0.022047 -0.115975 -0.112018 0.0224395 0.033693 0.033693 0.0117820 0.011057 0.050048 0.022047 -0.115975 0.069648 0.0224395 0.033693 0.033693 0.033693 0.033693 0.0224395 0.033693 0.022432 0.0502648 0.023210 0.050304 0.022173 0.050304 0.022173 0.0221723 0.050304 0.023131 0.050304 0.02537 0.015318 0.006271 0.033119 0.099497 0.152396 0.022474 0.022773 0.022773 0.022772 0.022774 0.022772 0.022774 0.022772 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022744 0.022774 0.022744 0.022774 0.022774 0.022774 0.022774 0.022774 0.022774 0.022744 0.022774 0.022744 0.022774 0.022744 0.022774 0.022744 0.0 | 215 | -0.036661 | | , | -0.137838 | | -0.117380 | | • | -0.206571 |
| 0.117368 -0.082967 0.146556 -0.1100457 0.099687 0.035978 0.177220 3.226660 3.0522173 1.226660 3.0222173 0.022174 0.022174 0.022174 0.022174 0.022174 0.022174 0.022173 0.02246 0.0113830 0.0112882 0.410685 0.022774 0.022508 0.027488 0.027489 0.022449 0.059244 0.047489 0.023244 0.047489 0.023244 0.047489 0.027244 0.047489 0.027248 0.047489 0.077188 0.047489 0.077480 0.099691 0.006898 0.077108 0.059387 0.029374 0.047489 0.027244 0.047489 0.027248 0.047489 0.077108 0.0272007 0.027208 0.027208 0.027208 0.027208 0.027208 0.027208 0.027 | 313 | -0.041578 | | | | | -0.132318 | | | 0.147956 |
| 0.252321 0.150263 0.050336 0.115315 0.106517 0.221723 -0.505029 0.211031 0.231131 0.251819 0.206888 0.206673 0.027022 0.027022 0.027022 0.027023 0.027075 0.15312313 0.066029 0.027026 0.027028 0.027028 0.027028 0.016714 0.027028 0.027028 0.016713 0.027058 0.027028 0.070286 0.0147148 0.118262 0.0270589 0.167164 0.027028 0.0271311 0.027028 0.0147148 0.027028 0.027028 0.0147149 0.027028 0.027028 0.0147164 0.027028 0.0147169 0.027028 0.027028 0.0147164 0.027028 0.027028 0.0147164 0.027028 0.027028 0.0147164 0.027028 0.0147164 0.027028 0.0147164 0.027028 0.0147164 0.027028 0.0147164 0.027028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 0.007028 <td>592</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.035978</td> <td></td> <td></td> <td>-0.109335</td> | 592 | | | | | | 0.035978 | | | -0.109335 |
| 0.211031 0.231319 0.068889 0.396884 0.004674 -0.062713 0.037022 -0.123123 -0.127140 0.054190 0.090457 0.155396 -0.023702 0.155688 -0.262606 -0.490258 -0.222008 0.090457 0.155396 -0.027025 0.155688 -0.222008 0.049025 0.147164 0.118262 -0.626669 -0.626669 0.147164 0.18452 0.22246 0.113830 -0.147828 0.410685 0.027216 0.025304 -0.05914 0.047223 0.22246 0.113830 -0.147828 0.410685 0.118107 0.07183 0.22246 0.113830 0.0118310 0.07183 0.41685 0.118107 0.07183 0.099591 -0.006898 0.077108 -0.05914 0.06728 0.099591 -0.006898 0.077108 -0.059187 0.006898 0.077108 -0.059187 0.006898 0.077108 -0.059187 0.107189 0.019975 0.289531 0.44680 | 110 | | | | | | 0.190517 | | | -0.312639 |
| -0.127410 0.054190 0.090457 0.152396 -0.028132 0.270758 0.155688 -0.040626 0.453028 -0.22208 -0.070286 -0.147148 0.118262 0.625669 -0.8080829 0.157164 0.344236 0.402572 0.211471 0.445238 0.222446 0.013380 -0.1142828 0.410685 0.344236 0.6025304 -0.059214 0.047223 0.053953 0.053953 0.054628 0.410685 0.410685 0.112680 0.035924 0.047223 0.059391 -0.006898 0.077108 -0.051087 0.0076185 0.11870 0.076185 0.199591 -0.006898 0.077108 -0.051087 0.44907 0.077464 0.077459 0.099591 -0.006898 0.077108 -0.051087 0.44907 0.077464 0.07778 | 326 | | | | | | -0.062713 | | | 0.054809 |
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|-----|-----------|-----------|---|-------------|-------------|-------------|-----------|-----------|-----------|-----------|
| • | -0-151-0- | -0-121/14 | 00010100 | -0.0000 | 0. 310240 | 00000 | 0.01140 | 0.038486 | 280066 | -0.363867 |
| 411 | 0.130063 | -0-17915 | +C1150-0- | 2500000 | 107701-0- | 200000 | 201010 | 178207 | 94080 | 918400 |
| 116 | 0.151353 | 0.254817 | -0.241805 | -0.001260 | 200.00 | 201010 | 0 34033 | 079110 | 0.00000 | -0 036824 |
| 111 | 0.012006 | 0.065964 | 0.157381 | -0.027637 | -0. 222180 | 0.10093 | 1770000 | 01.00 | 21.000.0 | 790700 |
| 118 | 0.212217 | 0.144687 | -0.027558 | -3.367495 | 0.177361 | 0.045625 | -0.189537 | 162440-0- | 0.267363 | -0.042986 |
| 119 | -0.434905 | -0.176282 | 0.210523 | -0.105459 | 0.225881 | -0.081280 | 0.010769 | 0.302404 | 0.275547 | -0.384937 |
| 120 | -0.781818 | -0.661747 | 0.125420 | -0.076876 | 0.161571 | -1.001198 | 0.265739 | 0.772337 | -0.608764 | 0.081273 |
| 121 | -0-148925 | 0.305416 | -0.189139 | 0.154999 | -0.015369 | -0.294031 | -0.373122 | 0.110780 | -0.217574 | 0.191318 |
| 122 | 0.474978 | -0.712809 | 0.290309 | -0.719331 | 0.642861 | 0.162733 | 0.256641 | 0.339536 | 0.596761 | 0.024536 |
| 123 | 0.076999 | 0.118990 | 0.236643 | 0.143964 | 0.165577 | 0.311191 | 0.110732 | 0.037845 | 0.328557 | -0.095564 |
| 126 | -0.128620 | -0.124263 | -3.630350 | -0.092985 | -0.477958 | -0.137133 | 0.041242 | 0.113808 | -0.226504 | 0.291947 |
| 125 | 0.524147 | -0.031720 | 0.593255 | -3.483056 | 161835.0 | -0.065607 | 0.296211 | 0.377611 | 0.257066 | 0.088122 |
| 126 | 0.166615 | -0.220573 | -0.598008 | 0.596323 | 0.445221 | 0.247331 | 3.251902 | 0.614000 | 0.237891 | 0.695813 |
| 127 | -0.015857 | -0.082761 | -0.174107 | -0.021474 | 0.172412 | 0.231401 | 0.003914 | -0.114992 | -0.040699 | 0.323139 |
| 128 | 0.090666 | -0.117478 | 3.020556 | 3.143026 | 0.016795 | -0.047078 | 0.038878 | 0.153796 | -0.099390 | 0.140139 |
| 129 | 0.224858 | -0.243294 | 0.386240 | -0.095299 | 3.631817 | 0.146233 | 0.103591 | 0.005940 | -0.971542 | -0.483233 |
| 130 | -0.188211 | -0.244294 | 0.010637 | 0.194305 | -0.128836 | 0.393885 | -0.061115 | -0.117873 | -0.081076 | -0.193773 |
| 131 | -2.234916 | 1.555271 | 0.325735 | 3.449830 | 0.729296 | -0.881477 | 1.378725 | 1.425905 | -3.814943 | 0.958583 |
| 132 | -0.072473 | -0.368758 | -0.062880 | -0-150214 | -0.339655 | -0.132047 | -0.380757 | -0.252231 | 0.119592 | -0.173144 |
| 133 | 0.239372 | 0.005186 | 0.081256 | 0.244867 | -0.391523 | 0.175369 | -0.441954 | -0.240629 | -0.288348 | -0.706867 |
| 136 | 3.392299 | 0.213331 | -0.680027 | -0.498479 | 0.164861 | -0.848912 | -0.454543 | 0.434833 | 0.359367 | 9.553314 |
| 135 | -0.289204 | -0.360861 | -0.290840 | -3.213823 | 0.291773 | -0.057675 | -0.231304 | -0.186402 | -0.206959 | -0.245856 |
| 136 | 0.219517 | 0.230717 | -0.152389 | 0.164217 | 0.521078 | -0.080427 | -0.036092 | 0.134892 | 0.299666 | -0.085571 |
| 137 | -0.090234 | 0.170570 | -0.065742 | -0.031128 | 0.064308 | -0.085465 | 0.095075 | -0.215167 | 0.087215 | 0.158353 |
| 138 | 0.129192 | 0.127738 | -0.414732 | 3.013081 | -0.316112 | -0.281025 | -0.018890 | -0.184276 | 0.270572 | 0.039983 |
| 139 | -0.124206 | 0.083387 | 0.054830 | -0.023900 | -0.069259 | 0.129723 | 989E0C-C | 0.180756 | -0.022178 | 0.117289 |
| 160 | 0.233466 | -0.066610 | -0.289837 | 0.065763 | 0.007200 | -0.287089 | -0.176145 | -0.130637 | -0.361720 | -0.161615 |
| 141 | -0.249687 | 0.019779 | 0.350842 | -3.131993 | 0.579607 | -0.073573 | -1.545455 | -0.396541 | 0.055524 | -0.395805 |
| 142 | 0.143903 | -0.542754 | -0.410441 | 3.084934 | -0.447232 | -0.297742 | -0.577023 | -0.887446 | -0.135727 | 0.258986 |
| 143 | -0.074784 | -0.236171 | 0.487831 | 0.380901 | -0.505373 | -0.208467 | -0.070948 | 0.179512 | -0.104094 | -0.271547 |
| 144 | 0.027985 | -0.250011 | 2.009247 | 0.024886 | -0.128416 | 0.122046 | -0.042312 | -0.043054 | 0.052164 | -0.038467 |
| 145 | 0.092145 | 0.141828 | 0.014170 | -0.080803 | 3.125492 | 0.016939 | 0.203292 | -0.008989 | 0.095926 | 0.194105 |
| 146 | -0.052243 | 0.104428 | 0.063371 | 0.121899 | -0.229677 | 0.063158 | -0.081663 | 0.093477 | 0.050445 | 0.091735 |
| 141 | -0.037997 | 0.045844 | -0.030748 | -0.154611 | -0.084313 | -0.067378 | 0.132756 | 0.195397 | -0.037374 | 0.335419 |
| 148 | 0.434958 | -0.227380 | -0.045432 | 3.361649 | 0.635425 | 0.504007 | 0.719529 | 0.572507 | 0.552488 | -0.086233 |
| 091 | 0.253296 | -0.107962 | 0.241058 | -0.145417 | 0.202611 | 0.503828 | -3.466319 | -0.340319 | -0.333010 | 0.317162 |
| | 147421 | -0.284883 | -0.200746 | -0.240131 | -0.073902 | -0.198635 | -0.081785 | -0-175484 | -0.395351 | 0.123993 |
| 153 | 174/4[10- | -0.584899 | 011007-0- | 16101310- | 2010.0 | 100011 | | | | |
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| | | PF | RESTOURTS IN STD. DEV. UNITS - FULL CELLS X VARIABLES | TD. DEV. UN | ITTS - FULL | CELLS X VAR | I A BL ES | | | |
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| RESIDUALS IN STD. DEV. UNITS - FULL CELLS X VARIABLES | |
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| HTNFO | ACCNF0 | 3
CONSAT | ORDS AT | SUP DEC | 4ESLEV | CNU Z3 | ZANCT | SPKGRA | PMPCON |
|----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 034998 | 0-196020 | 0.144776 | 0.162342 | 0.140585 | 0.000385 | 0.086244 | -0.216901 | 02.060120 | -0.057814 |
| 289764 | 0.135803 | 0.456123 | 3.155580 | 0.070991 | 0.386551 | -0.070301 | -0.109821 | -0.197571 | -0.245588 |
| 096268 | -0.093806 | 0.102193 | 0.192823 | -0.035336 | -0.119217 | -0.015137 | -0.117525 | 0.021757 | -0.018175 |
| 462077 | -0.445099 | -0.473084 | -0.615530 | -0.103398 | -0.530258 | -0.391538 | -0.645237 | -0.223139 | 0.109198 |
| 0.244855 | 0.329395 | 0.301758 | -2.112248 | -2.295350 | -0,230381 | 0.277615 | 0.363013 | -0.105525 | -0.451745 |

RESIDUALS IN STD. DEV. UNITS - FULL CELLS X VARIABLES

| 14
HRLUP | 0.342935 |
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NOTAMS | -0.041925 |
| CLRPIC | 3.325871 |
| 11
EZCOMP | -0.476057 |
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| | TS - FULL | |
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| 7.666456 0.784556 0.622860 0.622860 0.622860 0.6453112 0.6453112 0.757759 0.6453112 0.757759 0.6453112 0.757769 0.017829 0.017829 0.017829 0.017829 0.017829 0.017829 0.017829 0.017829 0.017829 | TD. DEV. UNI | |
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SELLS X VARIABLES

| 0.16325 | 0.07726 | 0.19809 | 73439 | 0.26267 | 0.48206 | 20603 | .30569 | .05456 | .20976 | .34198 | 0.08977 | .02015 | 3.00562 | .36398 | 0.03340 | 3.57555 | .12262 | 30058 | .06931 | 3.15745 | .33510 | .33804 | 3,69723 | .57913 | 0.18502 | .04693 | .65280 | 13562 | .02980 | .45505 | -0.176240 | .35218 | 17151 | 41149 | .09979 | 3.02554 | .06589 | .10386 | .33166 | .33303 | 0.21493 | .31458 | 119977 | 10687 | 45862 | 01230 |
|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|---------|-----------|---------|-------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|-------|--------|-------|
| . 02998 | .09728 | -02419 | . 29914 | .01637 | .15984 | .11475 | . 08615 | .18854 | .09140 | .11231 | .21494 | .15739 | .22745 | 0.19161 | .08070 | .72152 | .31835 | 0.08105 | .01942 | .33985 | . 13389 | 0.02124 | 0.17966 | . 02384 | 0.22475 | .85856 | .14178 | . 62111 | .14939 | .17975 | 0.215612 | .82326 | 15981 | . 23217 | 0.19887 | .05722 | 0.01178 | . 10004 | 0.01836 | .01691 | .13890 | 7.28097 | .19293 | 13647 | .06444 | 22187 |
| . 57198 | .01796 | 14454 | 0.15513 | .23545 | .48914 | 43795 | . 28233 | .12526 | 0.09673 | .16487 | 0.76427 | .37721 | .20694 | . 00254 | .05620 | .03758 | . 29724 | .13988 | .07479 | .46450 | .08700 | .33911 | .47602 | . 58045 | .42483 | .15883 | 1.68432 | .63898 | .35558 | . 25483 | -0.498995 | .83880 | 18129 | 44708 | . 25257 | .36462 | 1 5096 | .06349 | .41637 | .44566 | . 55934 | .12834 | 19151 | 12670 | .45730 | 45981 |
| . 332 | 11577 | .0225 | .04721 | .15943 | .36713 | . 31466 | .10656 | .14751 | 19001. | .07371 | .22791 | .35685 | 13865 | .00022 | .12945 | .83307 | .63314 | .09662 | .13179 | 47063 | 10001. | .18757 | 14351 | .29918 | 2.06567 | 28862 | 0.86639 | .36765 | .27843 | 10943 | 0.233539 | 0.70533 | 01528 | 4.22711 | 03852 | 45234 | 0.06293 | .05862 | 0.03059 | 12065 | 27632 | .34743 | 39605 | 32124 | 18957 | 39773 |
| 54 | 55 | 98 | 57 | 58 | 65 | 09 | 19 | 95 | 63 | 49 | 99 | 99 | 19 | 89 | 69 | 10 | 11 | 12 | 73 | 14 | 75 | 16 | 11 | 78 | 19 | 80 | 81 | 82 | 80 | * | 85 | 98 | 28 | 80 | 66 | 06 | 16 | | 63 | 46 | | | | 86 | | |

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| RESIDUALS IN STO. DEV. UNITS - FULL CELLS X VARIABLES | |
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|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|--------|---------|-------|---------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|---------|---------|--------|-------|--------|--------|--------|---------|--------|--------|-----------|---------|--------|--------|--------|
| | .513 | 090 | 122 | .13 | .367 | .059 | 0.338 | 040 | 0.472 | .321 | 0.126 | .122 | 0.267 | .339 | 3.217 | .129 | 0.052 | 015.0 | 0.365 | .187 | 0.052 | 3:122 | . 007 | 0.934 | .437 | 0.110 | .07 | .060 | .370 | . 078 | .180 | 3.103 | 408 | .469 | .248 | .225 | . 016 | :: | -3.3663 | . 051 | .863 | .453 | .360 |
| - | 10875 | 13552 | 15106 | 99990.0 | 0.22834 | . 08843 | 0.13248 | .02845 | 65184 | .01730 | .06026 | 14065 | . 50083 | .21898 | 12001. | 24098 | .14006 | .25049 | .15568 | .05993 | .08386 | .21273 | .14838 | .26943 | . 58613 | . 03405 | .00175 | 16160. | .41619 | . 08211 | .13760 | 13918 | 25027 | .38505 | .17549 | . 49493 | 17311 | .04753 | 0.035534 | . 20199 | .90620 | .02319 | .39807 |
| | 78052 | 58008 | 11370 | 0.12309 | 0.18244 | .02663 | 0.12281 | 0.08202 | 0.53709 | 13799 | 0.13448 | 42310 | .08376 | .00213 | .6444 | 21113 | . 25975 | .30871 | 15309 | .09045 | .21425 | 49126 | .08039 | .54758 | . 50845 | 33441 | . 28228 | .0890 | . 08329 | . 16348 | .08544 | 20885 | .33974 | .45558 | .99320 | .07108 | .07587 | .04736 | -0.089516 | .05355 | .05831 | .01334 | .16470 |
| 100000 | 0.15634 | .00499 | 0.08757 | 11618 | \$6017 | .16742 | .02991 | 11590 | 0.19057 | .24463 | 84669-0 | 17078 | .32056 | 36098 | .75236 | .00332 | .19209 | .39493 | .72601 | .22580 | .32568 | .39378 | .15705 | .33117 | .36368 | .21996 | .05212 | .06611 | .03563 | .20081 | .22168 | 12121 | .32333 | 1060. | .22201 | .21684 | .02904 | .08502 | 0.283268 | .00603 | .28282 | .07471 | 14964. |
| ٠ | o | 0 | _ | 111 | - | - | - | - | - | - | - | - | ~ | 2 | ~ | ~ | ~ | ~ | 2 | ~ | ~ | 2 | - | - | 3 | 3 | 3 | 3 | 3 | - | 138 | m | • | | 4 | 4 | | | 4 | 141 | 8+1 | 641 | 150 |

RESIDJALS IN STD. DEV. UNITS - FULL SELLS X VARIABLES

| 12 13 14
CLRPIC NOTAMS HRLUP | -0.199084 | 0.357844 | 0.026749 -0.039589 -0.032399 | -0.391490 | 0.014681 |
|---------------------------------|-----------|----------|------------------------------|-----------|----------|
| 11
EZCOMP | | | -0.0222272 | | |

RESIDUALS AS T-STATISTICS - FULL CELLS X VARIABLES

| | AMTNFO | ACCNFO | CONSAL | PASSAT | Sugner | 200 | 7 | 80 3 | 0 | 01 |
|------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| - | -0.683598 | -1.993022 | -1.198241 | -2.114218 | 701117 | , , | | | 4 | 2004 |
| 2 | -0.848278 | 0.442562 | 0.135877 | -1.145310 | 1.176688 | -0.823253 | -2.366089 | -1.462543 | -0.556846 | -2.690279 |
| | 1.001366 | -4.113057 | 0.236551 | 0.410032 | 1.436638 | 0.588521 | 0.269149 | 0.357412 | -0.604582 | 0.152387 |
| * " | -1.257861 | -0.350625 | -0.698417 | -0.420205 | -0.168680 | +06446-0- | 1.078490 | 1.207677 | -2.632534 | 1.414703 |
| ٠, | 1.102165 | 0.890569 | 0.793343 | -1.690247 | -0.683857 | 0.707658 | 0.748008 | 0.438777 | -1.243564 | 1.197771 |
| . ~ | -0.475316 | -0 173718 | -0 425587 | 3.311113 | 0.422746 | -0.095187 | -0.817325 | 0.353771 | 0.381048 | 1.477733 |
| - 60 | -1.834043 | 0.466356 | 0.228346 | -0.747844 | 0.201877 | -0.708071 | 0.624107 | 0.450987 | 1.559216 | 1.138661 |
| 6 | ~0.651550 | -0.681619 | 3.272116 | 0.391656 | 0.561758 | -0.458077 | 0.321225 | 414824 | -0 630707 | 0.112885 |
| 10 | 0.232608 | 0.287851 | 0.137394 | 3.280107 | 3.448394 | 0.378555 | 0.276735 | -1.668910 | -0.795411 | 0.05450 |
| =: | 0.626848 | 0.214898 | 0.620126 | -0.532628 | -0.609325 | 0.548532 | -1.246442 | -1.105843 | 0.334795 | 2.213373 |
| 71 | 1.213233 | 0.557383 | 0.334115 | -2.105016 | -1.363092 | 0.284847 | 1.161002 | -1.142388 | 0.698446 | -0.148310 |
| 14 | 0.316956 | -1.977269 | 0.332991 | 7 203440 | 1.584671 | 0.113631 | -2.866799 | -2.662996 | 0.502911 | -2.202017 |
| 15 | -0.042955 | 0.780792 | 0.612477 | 1.150048 | -10.000 | 0.42/215 | 0.307305 | 0.411112 | 0.346473 | 0. 533905 |
| 16 | -0.588418 | 0.938669 | 0.434528 | 3.724463 | -0.555689 | 0.357868 | 0.044639 | 0.483051 | 0.426425 | -0.720171 |
| 11 | 0.394642 | -2.330913 | -0.305377 | 0.725303 | -0.875735 | -0.022976 | -1.366455 | -1.587745 | -0.396206 | -0 740471 |
| 18 | 0.329452 | -1.353902 | 0.200387 | -1,336313 | 0.146256 | 0.565478 | -0.114967 | -0.036548 | 0.111360 | -0-116988 |
| 61 | 0.495612 | 0.431717 | 0.236544 | 0.305468 | 0.316933 | 0.541911 | 1.313884 | 0.286394 | -0.659873 | -1.259912 |
| 200 | 685804-0- | 0.640400 | 0.377187 | 0.334168 | 0.441862 | -0.379947 | 0.282578 | 0.344547 | -0.020840 | 0.709098 |
| 22 | 594684-0 | 0.451137 | 0.212531 | 0.222722 | 0.328647 | 0.456631 | 3.238175 | 0.323609 | 0.371223 | 0.609399 |
| 23 | 2001110 | 0.589889 | 0.316906 | 0.404875 | 0.347617 | 0,682737 | 0.273759 | 0.324023 | 0.639713 | 0.552970 |
| 24 | -0-154717 | 0 896009 | 0 544013 | 0.60000 | 1.130509 | -0.671221 | 0.219939 | 0.401750 | 0.299037 | 0.085773 |
| 52 | 1.262376 | -0.070579 | 0.708056 | 0.655630 | 1.281103 | 0.118927 | -0.525008 | -1.488569 | -0.955961 | 0.378397 |
| 97 | 1.869729 | -1.494728 | -1.138171 | -3.894581 | -1.011653 | 0.702740 | 1 648141 | -1.301587 | -2.409433 | 0.940214 |
| 2.7 | 0.443723 | 0.304136 | 0.126712 | 0.262318 | -0.732789 | 0.423937 | -1.896888 | -0 489444 | 10.00 4004 | 0.503285 |
| 28 | -0.408914 | -4.190236 | -1.244107 | -0.979810 | 0.511313 | -0,988352 | -0.438598 | -0.513374 | -1.637060 | 0.462553 |
| 62 | 0.333231 | -0.458395 | 0.571363 | 1.333057 | -0.437824 | 1,024290 | 0.990071 | 1.791954 | -0.190537 | -1.392393 |
| 30 | -0.158640 | 1. 484417 | 0.147874 | 0.995810 | 0.633673 | 0,265608 | 1.159826 | 1.367383 | 1.284739 | 1.120731 |
| 32 | -2 22 32 32 32 | -0 176163 | 0.614263 | 0.673413 | -0.361612 | -0.027759 | 1.191674 | 1.264657 | 1.054634 | 0.590575 |
| 33 | 1.282645 | -0 275640 | 0 341321 | 202666 | 0.202591 | -1.248347 | 2.241290 | 1.169951 | -0.930479 | 0.323154 |
| 34 | 0.567102 | 1.670328 | 0.821555 | -0.281255 | -1.697612 | 0.870813 | -1.749572 | -1.371649 | 0.090569 | 0.742839 |
| 35 | -0.751008 | 0.557638 | -0.767276 | -0.725731 | 0.019659 | 0.537203 | -0.592058 | 0.462591 | 305008 | -1 347515 |
| 36 | -0.141331 | -1.538317 | -1.592510 | -3.664304 | -0.840711 | -0.418153 | -0.889102 | -0.651475 | -0.524628 | -1.128526 |
| 30 | 067682.0 | 0. 233263 | 0.051273 | 3.322521 | 0.282010 | 0.382973 | 0.238842 | -0.705428 | 0.432857 | 0.021587 |
| 30 | 2.075008 | 0.442304 | 0.192114 | 0.351372 | 0.387204 | -0.016432 | 1.354247 | 1.418415 | 0.534014 | 1.057417 |
| 40 | -0.852786 | -1.970880 | -0.857231 | 1.002228 | 0.814615 | 1.138219 | -0.218092 | 0.705798 | 0.822289 | 1.151739 |
| 1, | 0.546531 | -0.516863 | 0.403554 | 1.736716 | 0.064860 | -0.041405 | 0.120695 | 0.302499 | 0. 778600 | -0.819417 |
| 42 | 1.646230 | 0.759862 | -1.422743 | 1.471241 | 1 214723 | 1 908781 | 0 313470 | 612750-0- | 1.195195 | 2.311778 |
| 43 | -4.431594 | -0.796645 | -0.311411 | 3.300057 | 1.365687 | -2.402685 | -2.074207 | -1.866593 | -4 255600 | 1 689975 |
| ** | -0.744699 | 0.285465 | 0.112175 | 0.335052 | 1.285698 | -0.615399 | 0.269426 | 0.344364 | 0.478128 | -1.390560 |
| 4.5 | -0.755355 | 0.304986 | 0.088137 | 0.252295 | -1.591573 | -0.177443 | 0.266182 | 0.381769 | 0.422777 | 0-491256 |
| 46 | 1.650060 | 0.595622 | -0.597339 | 1.495082 | -0.943306 | 1.033414 | 0.787425 | 2.106458 | 1.905668 | -0.906475 |
| | -1.753728 | -0.381146 | -0.573669 | 0.071381 | -0.248681 | -0.518934 | -1.391817 | -0.750423 | -0.184701 | 1.306209 |
| 0 0 | -0.229661 | -1.254380 | 0.084645 | 0.135204 | 0.901334 | -0.036983 | 1.364787 | -0.624286 | -0.105961 | -0.836571 |
| 20 | -0.870000 | 2 470000 | -0.119945 | -1.738626 | -0.174484 | -0.281868 | -0.969524 | -2.002087 | 0.126299 | 0.070356 |
| 2 | 000000 | 2.010000 | 0.549281 | 0.818951 | 0.398459 | -0.452667 | 2.043029 | 0.531158 | -0.766277 | 1.587695 |
| | | | | | | | | | | |

RESIDUALS AS T-STATISTICS - FULL CELLS X VARIABLES

| | AMTNFO | ACCNFD | CONSAL | DRDSAT | SUPDEC | MESLEN | FZUND | L ONY Z | SPKGRA | PAPCON | |
|------|-----------|------------|--------------|--------------|------------|---------------|-----------|-----------|------------|-----------|--|
| : | 1 853575 | -0. 526365 | 1.609023 | 9.66618 | 1.396752 | -1.052736 | -1.644553 | 0.356789 | | -0.092221 | |
| 200 | -1.489858 | 1.070774 | 0.369849 | -2.126051 | -0.396988 | -1.633229 | 0.052337 | -0.394049 | | -2.143395 | |
| :5 | 0.728951 | 0.937181 | -1.414356 | 0.176688 | 1.269608 | 0.299540 | 0.031309 | -0.091672 | | -3.332327 | |
| 24 | -0.518162 | -0.728826 | 0.312489 | 3.428048 | -0.439525 | -0.406308 | 0.365865 | 0.422651 | 0.599876 | 0.602397 | |
| 55 | -2.936510 | 0.361540 | -0.504274 | 0.648974 | 0.982822 | -3.055100 | -0.528309 | -0.387676 | -2.852638 | -0.574404 | |
| 56 | 1.314684 | -1.096294 | 0.337563 | -0.061071 | -0.413810 | 0.689799 | -0.916543 | -0.165859 | 1. 28.0978 | -0.665663 | |
| 22 | -0.462682 | -0.959951 | -0.286582 | -1.5734810 | 0.152342 | -0.538199 | -1.423162 | -1.220707 | 0. 224028 | -0.518105 | |
| 80 5 | 0.214912 | 1.528874 | 0.516270 | 0.602857 | 1.050146 | 0.170791 | -0.160000 | 1.154726 | -0.265818 | 0.895761 | |
| 09 | 1.228297 | | 0.272111 | | 0.293067 | -0.511469 | 0.262978 | 0,355324 | -0.574380 | 0.197394 | |
| 19 | 0.451132 | | 0.107160 | | 0.179655 | -0.197313 | 0.218508 | 0.334369 | | 0.088010 | |
| 52 | -1.347636 | | 0.803394 | 0 | -0.124798 | -1.650562 | -0.498468 | -1.724867 | | -0.200935 | |
| 63 | -0.159054 | | -2.345524 | 1.126140 | -0.271488 | 0.154544 | 0.891510 | | 0.413177 | -0.899668 | |
| 40 | 0.888783 | | 0.507189 | 2 | 0.669273 | 0.366741 | 3.524562 | | | 0.325490 | |
| 66 | 0.905438 | | -0.877931 | , | 1, 123250 | | -1.840592 | | | 0.791296 | |
| 67 | 1.199982 | | 0.297853 | 7 | -1.193821 | | -0.358965 | | • | -0.506257 | |
| 89 | 1.683619 | 0.253429 | 1.319720 | | 0.084309 | 1.554717 | 0.773010 | 0.385518 | 1. 290126 | -0.005405 | |
| 69 | -0.363546 | | 0.384855 | 0 1 | 0.883523 | | 0.096388 | | | 1.042549 | |
| 0 : | 1.373833 | | 0.470456 | 3.464235 | -0.844007 | | 1.102056 | | | -2.576875 | |
| 11 | 1.140589 | | -0.256353 | 5 C | -1.924736 | | 0.818913 | 0.824811 | | -1.090939 | |
| 73 | -0.367219 | | 0.531552 | | 1.439559 | | 0.251251 | 0.007988 | 1 | -0.577131 | |
| 12 | 0.039777 | • | 0.332787 | | 0.135631 | | 0.803510 | -0.991882 | | 1.147628 | |
| 75 | -0.822559 | | -2.050797 | 1 | 0.778807 | | 3.946367 | 0.616987 | 1.479073 | -0.552612 | |
| 76 | 1.022703 | | -1.059652 | 1.086825 | 0. 720882 | | 1.473704 | 0.291858 | | -0.032327 | |
| 10 | 1.32030 | , , | 0.311647 | | -2.140742 | | -1.901871 | -1.712909 | | 0.056311 | |
| 0 6 | -0.508976 | , | 0.208289 | | 0. 21 3002 | | 0.281955 | -3.918310 | -3.287953 | 0.608129 | |
| 08 | -2.658464 | 1.000754 | -0.519493 | 7 | 0.265047 | | -0.760780 | | | 0.949137 | |
| 81 | -0.264532 | -0.171903 | -2.026778 | 1 | -0.231224 | 0.084307 | -1.911977 | 0.309169 | -0.650730 | 0.446363 | |
| 82 | 0.710309 | 0.022519 | 0.528108 | 0 | 0.460011 | | 0.388350 | | 0.775145 | 0.159510 | |
| 83 | -0.752341 | | 0.991225 | • | 0 720469 | | -0.020544 | ' ' | | -0.466892 | |
| 4 0 | 0.012041 | | | 0.963613 | -0.982681 | | 1.531752 | 0.870519 | -0.288494 | 1.182262 | |
| 86 | 2.136133 | | | | 0.986355 | | 0.813197 | | | -0.204333 | |
| 87 | -0.050796 | 0.472947 | | | -0.837135 | | -0.467016 | | | -2.050268 | |
| 88 | 0.288750 | 0.361780 | | 0 | -0.182952 | | -0.790911 | 0.403640 | • | -0.507697 | |
| 89 | 1.436558 | 1.321472 | | 0 (| 0. 338304 | | 0.155443 | 0.457748 | | 0.427141 | |
| 06 | 0.934197 | 1.145529 | 0.282340 | -0.982553 | 0.128933 | 1 | -0.551305 | -1.132598 | -0.526406 | -2.733125 | |
| 32 | 0.169997 | -0.217657 | | 0 | 0.479829 | | -0.932765 | -0.157855 | | 0.394448 | |
| 93 | 0.636502 | 0.909233 | | ^ | 0.982449 | : | -0.34881 | 0.315850 | | 0.189329 | |
| 46 | 0.408406 | 0.370047 | | | | | 0.172874 | 0.278314 | 0.447246 | -0.023542 | |
| 35 | 0.060419 | 0.578914 | | -0.846322 | | | 0.503040 | 0.536510 | -1 143973 | -1.091970 | |
| 96 | -0.585333 | -0.556197 | -1.321551 | 3.455852 | | -0.096808 | -0.651102 | 0.351618 | | -0.044923 | |
| . 80 | 1.819439 | | , | 1.331379 | | | 166544.0 | | 0 | 1.063661 | |
| 66 | 0.778273 | - | 0.646917 | 1.116611 | -0.385455 | - | | | 9.36 | 12 | |
| 100 | -0.053346 | 0.391939 | 0.582437 | 0.075503 | 0.515779 | 0.744818 | 0.431563 | • | 1.129766 | 0.968358 | |
| | | | | | | | | | | | |
| | | A A | RESTOUALS AS | T-STATISTICS | - FULL CE | LLS X VARIABL | ILES | | | | |
| | | | 1 | | | ! | | | | | |
| | • | • | | | \$ | • | 1 | 60 | • | 01 | |
| | ANTAR | ACCNED | CONSAT | ORDSAT | SUPDEC | MESLEN | EZUND | LONYZ | SPKGRA | PAPCON | |

| | | | | 000000 | | | 11111 | 110000 |
|-----------|---------------------------|-------------|------------|--------------------------|-----------|---------------|------------|------------|
| -0.488858 | 58 -1.239134 | -3.284947 | -1.938333 | -0.325066 | -1.565229 | -2.687357 | -1,114353 | -2.754562 |
| -0.508380 | | 0.611946 | | -1.418064 | -1.614228 | 0.298280 | 3.411978 | 1.809097 |
| 0.530073 | , | 0.849201 | | 0.403792 | 0.208468 | 1.026879 | 1.313350 | -0.533528 |
| 0.582338 | | 5.674883 | | -1.283465 | 2.120476 | 2.467801 | -0.556827 | -0.140672 |
| 1.523412 | 45 7 274040 | 0.447248 | 2.64 (055 | 0.033741 | -3.452721 | 0.257251 | -3.888811 | 0.395662 |
| -1.072662 | ' | -3.175226 | , | 0.294836 | -1.562325 | -2.014469 | 0.366890 | -0 225210 |
| 1.119888 | | 0.697404 | | 0.723573 | 0.370318 | -0.464658 | 1.336064 | 0.507212 |
| -0.223355 | 1 | -0.582244 | | 0.530510 | 0.496189 | 1.161331 | 3.749114 | 1.500551 |
| 1.112409 | | -1.825410 | -0.764607 | 0.983199 | -0.068099 | 0.711876 | -0.524093 | -1.304363 |
| 0.854355 | | -1.227864 | -1.193207 | 0.441575 | 3.874393 | 1.276381 | 1.855746 | 1.629137 |
| 0.180647 | 21 -1 364.371 | -0.253829 | 0.892780 | -1. 700472 | 0.754529 | -1.070769 | -1.153549 | 2.134079 |
| 786566 | | 1790000 | 2 934676 | 266409-0- | -0.439018 | -0.813958 | -3.453547 | -0.387253 |
| 0.688126 | | -0.003402 | 0.465623 | -0.356859 | -0 027379 | -0 481244 | 7 237766 | 0 017054 |
| 0.256931 | | -0.107647 | -0.865394 | 0.416601 | -1.403051 | 0.656105 | 7.344369 | -7.177543 |
| 0.552019 | 1 | -1.402088 | 3.676677 | 0.174571 | -0.723133 | -0.168828 | 1.020061 | -0.164003 |
| -0.397166 | | -0.237600 | 0,515671 | -0.183125 | 3.324253 | 0.681321 | | -0.867269 |
| -1.433555 | | -0.173520 | 0.364687 | -2.259842 | 0.599809 | 1.742594 | , | 3.133443 |
| 0.930594 | , | 1.472277 | -0.046829 | -0.895905 | -1.136892 | 0.337543 | | 0.582941 |
| -0.715404 | | -0.721949 | 0.645201 | 153325 | 3.257576 | 0.340772 | 0.598933 | 0.024625 |
| 0.503804 | | 0.609544 | 0. 701050 | 1. 317582 | 0.458839 | 0.163235 | 1.391139 | -0.404617 |
| -0.280219 | 1 | -3.239684 | -1.077817 | -0.309240 | 0.093002 | 0.256643 | ' | 0.635804 |
| -0.063960 | | -0.957373 | 1.125519 | -0.132288 | 0.597270 | 0.761403 | 0.518339 | 0.177686 |
| -0.444509 | | 1.201736 | 0.897229 | 0.498373 | 3.507544 | 1.237351 | 0.479439 | 1.402234 |
| -0.446265 | 07 -0.438826 | 7 20066 | 0.929687 | 1.247770 | 0.021103 | -0.620055 | | 0.124539 |
| -0.549225 | | -0.215134 | 1 426301 | 0 330068 | 7 233852 | 2 0 3 3 4 0 0 | -0.101218 | 0.44.65 |
| 159100-1- | | 0.796689 | -0.528253 | 1.615004 | -0.250584 | -0.483301 | | -2.734536 |
| 1.560778 | | 3.451422 | 0.731878 | -0.884598 | 1.383606 | 1.430954 | ' | 0.972113 |
| -1.653492 | ı. | -0.673550 | -1.747194 | -0.592090 | -1.737293 | -1.130990 | 0.536244 | -0.776368 |
| 0.023854 | 54 0.373885 | 1.126712 | -1.801521 | 0.806928 | -2.033617 | -1.107213 | , | -3.252520 |
| -1.275765 | | 755936 | 1.731516 | -1, 711697 | -0.916514 | 21191870 | 3. 124608 | 1.130795 |
| 1.219794 | | 0.868212 | 2.754924 | -0.425214 | -0-190818 | 0.713171 | | -0.452411 |
| 0.766000 | | -0.139790 | 0.288794 | -0.383807 | 0.426966 | -0.966273 | | 3.754535 |
| 0.366124 | | 3.037492 | -0.336345 | -0.805478 | -0.054143 | -0.528175 | | 0.114600 |
| 0.341996 | | -0.098021 | • | 0.532335 | 0.015125 | 0.741338 | -3.090959 | 0.481338 |
| -0.178113 | 1 | 0.175848 | 0.019252 | -0.767664 | -0.471004 | -0.349239 | -0.957225 | -3.432152 |
| 0.034435 | | -3.177566 | 1.039372 | -0.128388 | -2.690572 | -0.690361 | 0.096665 | -0.589393 |
| -1.224710 | | 0.191651 | -1.009168 | -0.571345 | -1.302338 | -2.002499 | -0.306264 | 0.584395 |
| -3.532465 | | 1.020050 | -1.353387 | -0.558274 | -0.189998 | 0.481331 | -3.278754 | -0.727231 |
| -2.228422 | | 3.221818 | -1.144611 | 1.087827 | -0.377135 | -0.383749 | 0.554083 | -0.342363 |
| 0 308762 | 42 0 341984 | 0 465475 | 1.11.1245 | 0.150555 | 1518251 | 192580-0- | 0.909823 | 1.841018 |
| 0.454233 | ' | -1 499193 | -0 817547 | -0 453360 | 1 207276 | 1 001770 | 363333 | 3 36.366.3 |
| -0.516560 | | 3.821590 | 1.663552 | 1 144997 | 1 434618 | 300414 | 1 255137 | -0 195903 |
| -0.188831 | | -0.254342 | 0.356377 | 0.881221 | -7 815417 | 535336 | -7 58 2452 | 0 554733 |
| -1.787218 | ' | -1.506463 | -0.463627 | -1.246143 | -0.513088 | -1.100901 | -2.417535 | 3.777373 |
| | | | | | | | | |
| | | | | | | | | |
| | RESIDUALS AS T-STATISTICS | -STATISTICS | - FULL CEL | - FULL CELLS X VARIABLES | . ES | | | |
| ~ | | • | 5 | • | | œ | 0 | 10 |
| Acce | CUNSAI | UKUSA | SUPUEC | TEST EN | CACA | 24467 | 20454 | 77.7 |
| 1.337553 | | | | | | | | |

| | | a i | IDUALS AS T | RESIDUALS AS T-STATISTICS | RESIDUALS AS T-STATISTICS - FULL CELLS X VARIABLES | - FULL CELLS X VARIABLES | 168 | | |
|-----|-----------|-----------|-------------|---------------------------|--|--------------------------|-----|--|--|
| | = | 12 | 13 | : | | | | | |
| | EXC2N3 | CLAPIC | NOTAMS | HALUP | | | | | |
| - | -1.447835 | • | -0.127536 | 1.042971 | | | | | |
| ~ | 0.219368 | | | 0.945813 | | | | | |
| | 0.313927 | | | | | | | | |
| | -1.600892 | -0.268819 | -0.510540 | ' | | | | | |
| • | 0.171001 | | | | | | | | |
| ~ • | 3.151751 | | | | | | | | |
| | 0.237604 | | | -0.405735 | | | | | |
| 10 | 0.028987 | | | | | | | | |
| = | -1.254357 | | | 3.775336 | | | | | |
| 15 | 0.260906 | | | | | | | | |
| == | 0.306266 | | | 0.747623 | | | | | |
| :: | 0.835389 | | | | | | | | |
| 16 | -1.323982 | | | | | | | | |
| - | -0.205828 | | | 0.463779 | | | | | |
| 8 0 | -0.251056 | | | | | | | | |
| 20 | 0.409646 | | | | | | | | |
| 17 | 0.201082 | | | | | | | | |
| 2: | 0.409660 | | | | | | | | |
| 22 | 0.298339 | | | 0.499464 | | | | | |
| 52 | 1.626023 | | | | | | | | |
| 92 | -0.957415 | | | | | | | | |
| 28 | 0.300135 | | | | | | | | |
| 53 | -0.717545 | | | | | | | | |
| 20 | 7 565919 | | | | | | | | |
| 32 | 1.204109 | | | -0.414300 | | | | | |
| 33 | 0.221863 | | | | | | | | |
| * | C2682C-2- | | | | | | | | |
| 36 | -0.753985 | | | 0.151096 | | | | | |
| 3.7 | 0.129390 | | | | | | | | |
| 38 | 0.285712 | | | | | | | | |
| 6 | 0.578356 | | | | | | | | |
| :: | 1.047218 | 0.302987 | | | | | | | |
| 42 | 0.481381 | | | | | | | | |
| ÷ | 0.820766 | | • | -2.662446 | | | | | |
| :: | 0.198093 | | | | | | | | |
| :: | 0.147567 | | 1.047452 | 0.854539 | | | | | |
| - | -0.235672 | | | | | | | | |
| | 0.370447 | -0.747595 | 0.167259 | 1.161080 | | | | | |

| 15372 | |
|-----------|--|
| -0.328146 | |
| -0.979279 | |
| -0.504992 | |
| 0.200363 | |

RESTOJALS AS T-STATISTICS - FULL CELLS X VARIABLES

| HALUP | 900 | -0.16375 | -0.61647 | -2.70189 | -1.11096 | 0.84358 | 1.21290 | -0.30593 | 0.0145 | 0.7711 | -0.1807 | 0.1872 | -0.04110 | -1.2286 | -0.2231 | 7.8194 | 2 1056 | 0.4285 | -2.5066 | -1.5437 | 0.9696 | -3.6985 | -0.5804 | -0.2628 | 1959 | 0.1927 | -0.0797 | 1.1254 | -0.3978 | 0.8716 | 2659.0 | 7714-0 | 9660 | 3.2223 | 0.3663 | 0.8260 | -3.3340 | -0.2156 | -1.483 | 3.2936 | 0.1860 | 1.033 | -0.021 |
|----------------|----------|----------|-----------|----------|----------|---------|---------|----------|---------|----------|---------|---------|----------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| 13
NOTANS | 0.2854 | 0.03007 | -0. 77619 | -1.10059 | 0.06924 | 0.27971 | 0.11521 | -0.08651 | 1. 2378 | 0.2532 | 0.4327 | 1.46236 | 1.5535 | -0.6468 | -0.5391 | 1.0273 | 0.5572 | 1200 | 0.9969 | -0.6167 | 0.0609 | -0.1300 | -0.0238 | -0.3192 | 1.5129 | 0.8826 | 0.3998 | 0.4445 | 0.4867 | 2.0375 | 0.4273 | -0.2326 | 0. 438 | 1050 | 0.3528 | -0.0457 | -0.0169 | 0.1393 | -1.324 | -0.5158 | 0.237 | -0.145 | 0.387 |
| 12
CL RP IC | 1.169867 | -0.57374 | 0.14335 | -0.71499 | -0.9958 | 0.85596 | 0.43972 | 0.28349 | 0.82240 | -0-42112 | -1.5386 | 0.7174 | -1.51350 | 0.0085 | 0.3754 | 1.4344 | 0. 5202 | 20.9798 | 1.4944 | 0.4007 | -0.3727 | 0.4769 | 0.5817 | 0.6034 | -2.0185 | 1.0000 | -0.9516 | 0.6302 | -1.1265 | 2.0760 | 0.4854 | 0.4479 | 1.2170 | 1.3398 | -0.2239 | 1.0369 | 0.447 | 5611 | 6050 | 5123 | 220 | 030 | 152 |
| 11
EZCONP | 0.837565 | 3335 | 1.25839 | =; | 47436 | 4240 | 11593 | 6690 | 6848 | 3855 | 5883 | 212 | 11412 | 0000 | 3647 | 1860 | 1082 | 6767 | 8119 | 2447 | 5380 | 1437 | 8662 | 9340 | 2504 | 8681 | 7650 | 2706 | 5272 | 7481 | 6000 | 2357 | 1856 | 5521 | 200 | 2766 | 121 | 777 | 63781 | 059 | 55917 | 42736 | 17869. |
| | 52 | 23 | 55 | 26 | - | 0 6 | 09 | 19 | 29 | 63 | 4 4 | 200 | 67 | 89 | 69 | 02 | 11 | 7.2 | 23 | | 14 | 11 | 7.8 | 19 | 80 | 81 | 78 | 40 | 85 | 98 | 18 | 88 | 68 | 06 | 16 | 76 | 56 | 0 0 | 96 | 16 | 86 | 66 | 100 |

| 2 | - | - | 024 | | : | 328 | 666 | 233 | 281 | | 199 | = | : | | 5 | 502 | 275 | 533 | 482 | 275 | 0.604 | 9 | 912.0 | 0.5467 | ======================================= | 1.029 | 1.1373 | = | 0.372 | 3.275 | 9160 | 0.9380 | 962 | | 20 | 2 . | 9595 | 0.1504 | 515 | 7.4247 | 9 | 81.75 | 196193 | 60387 | 14620 | 04538 | 39896 | 9161 | 16196 | 192 | -7.261273 |
|--------|---|----------|---------|------|------|-----|-----|------|------|-----|-----|-----|-----|------|------|-----|-----|-----|------|------|-------|------|--------|--------|---|-------|--------|------|-------|-------|-------|--------|-------|----------|------|------|------|--------|-----|--------|----|-------|--------|-------|-------|-------|-------|------|----------|-----------|-----------|
| 13 | - | 1.9. | : | 679 | . 59 | Ξ | 3.3 | 3:0 | 2 | : | : | 63 | 120 | = | = | = | 200 | 067 | 52 | 316 | 20 | 667 | 8 | 050 | 315 | 202 | 313 | 323 | 596 | | 608 | 273 | 959 | 1566 | 012 | 325 | 2003 | 368 | | | 98 | 0.9 | | 325 | 34.2 | 1508 | 223 | 9866 | 1850 | \$000 | -2.497341 |
| 2100 | | = | = | 7264 | 1084 | 212 | | 1260 | 9459 | = | | 121 | 3 | 2147 | 0523 | 111 | 0 | 215 | 2130 | 9532 | | **00 | \$ 204 | 8030 | 2887 | 6224 | 3065 | 4877 | 32464 | 1089 | 32964 | 6534 | 27989 | 1.538759 | 1691 | 2407 | | | | | | | | | 67632 | 1243 | 3418 | \$13 | 0.155198 | -0.021115 | 1.033265 |
| FZCOMP | | 0.330692 | . 71 55 | ŝ | 000 | 790 | 379 | 2 | 383 | 5 | | 3 | 3 | | 5 | 2 | - | ? | | | 2 | | 3 | 5 | | 2 | | 7 | ~ | 888 | : | 5 | 6 13 | 5 | 60 | | | | I | ŧ | ŀ | | | | 1000 | | 19180 | 383 | 3 | 105 | 1021 |
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| RESIDJALS AS T-STATISTICS - FULL CELLS X VARIABLES | |
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| | | | | | PAGE 7 | | | | | | | | 10 | -0.272109
-0.016758
0.025333
0.018229
-0.282322 |
|--------------|---|------------|---|----------------------|--------|---|--------------------------|---|-----------------------------------|---------------------------------------|--|---|----|--|
| | | | | | | | | | | | | | • | -0.272236
-0.016751
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| | | | | | | | | | | | POT HES IS | s . | 60 | -0.278718
-0.042758
-0.42674
-0.198076
-0.041428 |
| | | | OF RANK 9 | | | | | | | LINTED | WEEN CELL M | ROWS X COL | 1 | -0.001969
-0.035081
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| | | ٠ | IG MODEL OF | ANCE | : | 1 | BLE(S) | | | (#ILL 8E > | OR EACH BET | X COMPONENTS | ٥ | -0.103790
-0.1273790
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-0.141839 |
| | | D.F.= 4289 | RESIDUALS ESTIMATED AFTER FITTING MODEL | ANALYSIS OF VARIANCE | | | 14 DEPENDENT VARIABLE(S) | 1 AMT NFO
2 ACS NFO
2 ACS NFO
4 OROS AT
5 SUPDEC
6 MESLEN
7 ECUNO
7 ECUNO
9 SPKGRA
10 PMPCON
11 ECS OMP
11 ECS OMP
12 CLR PIC
13 NOT AMS | RS= 7 | OF CORRELATION MATRIX WILL BE PRINTED | DISCRIMINANT ANALYSIS WILL BE PERFORMED FOR EACH BETWEEN CELL HYPOTHESIS | PRINCIPAL COMPONENTS VARIABLES X COMPONENTS (20MS X COLS) | \$ | 0.264418
0.264418
-0.32324
-0.620095
0.290453 |
| 14
HRLUP | -0.492829
2.034792
-0.212952
-2.298087
1.360892 | ٥ | ESTIMATED A | ANALY | : | i | 14 DEPE | | BASIS ORDER | OF CORREL | S WILL BE | NENTS V | • | 3.202504
-0.276607
-0.232357
-3.137973
-3.415979
0.246935 |
| 13
NOTAMS | -1.358563
1.468403
-0.260206
-0.977471
0.020898 | | RESIDUALS | | | | | | NUMBER OF ALTERNATE BASIS ORDERS= | PRINCIPAL COMPONENTS | IANT ANALYSI | CIPAL COMPO | r | 0.514318
0.003134
0.098265
-0.026339
0.091284 |
| CL RP IC | 0.337727
1.580059
0.175915
-0.883638
0.590759 | | | | | | | | NUMBER OF | PRINCIPAL | DISCRIMIN | 8 | 7 | 0.001223 0.125848 -0.237333 -0.056718 -0.413779 0.091640 |
| 11
EZCONP | 0.063737
0.613645
-0.145390
-0.917886
0.203826 | | | | | | | | | | | | - | -0.577946
-0.494025
-0.616575
-0.600196
-0.463694
-0.595556 |
| | 151
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| 0.028642
-0.038421
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0.334387 | 1 | |
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| 0.028658
-0.035416
0.078276
-0.034884
-0.272936
0.480431
0.034393 | | |
| -0.033209
-0.096558
0.302346
0.029664
0.091461
-0.212792
0.245206 | | |
| 0.008437
0.014887
0.038804
-0.041064
0.025986
-0.454719
0.399585 | | VARIATION VARIAT |
| -0.025635
-0.080863
0.064378
-0.334419
0.249042
-0.064334 | | 93.4575
93.4575
9.9960
8.0149
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3.4116
3.92969 |
| 0.079477
0.035395
0.206334
-0.101514
0.035501
0.0373084
0.059169 | | CORRELA |
| -0.152613
-0.130948
0.219324
0.068326
-0.034212
-0.427523
0.427523 | 14
-0.075042
0.007233
0.002435
0.021476
0.021476
0.04623
0.06232
0.06232
0.006232 | E1GENVALUE
4,409979
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1,185748
1,05576
0,673723
0,602403
0,503948
0,503948
0,43348
0,43348
0,403194
COMPUTED FROM |
| -0.244442
0.308562
-0.321951
-0.198741
-0.230424 | 0.115165
-0.013446
-0.015212
-0.05212
-0.061831
-0.453431
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-0.408159
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| 0.488993
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-0.309606 | 12
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-0.624034
-0.524222 | 11
-0.332772
0.053857
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-0.068613
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-0.022413
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-0.0234858
-0.003368 | |
| T EZUND
B LDUYZ
9 SPKGRA
O PMPCON
2 CLRP IC
2 CLRP IC
4 HRLUP | 1 AMTNF3
2 ACCN FG
2 ACCN FG
3 CONSAT
4 ORDSAT
5 SUP DEC
6 MES LEN
7 EJUND
8 LOWYZ
8 LOWYZ
10 PRCGNA
11 EZ CONP
11 CARP IC
13 NGTANS | |
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HYPOTHESIS 1 1 DEGREE(S) OF FREEDOM

PAGE

4-57

F-RATIO FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS. 19170.3750

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DEGREES OF FREEDOM FOR HYPOTHESIS\* 1 DEGREES OF FREEDOM FOR ERROR\* 4299.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS I

| PER CENT OF CANONICAL VARIATION* 100.00 |
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--DISCRIMINANT FUNCTION COEFFICIENTS--

237'S CRITERION= 0.9843

| ST ANDARDIZED | -0.1341 | -3.2256 | -0.0860 | -0.1449 | -0.1321 | -0.0159 | -0.0775 | -0.0917 | -0.0916 | -3.1291 | -0.0458 | 0.0196 | -3.1913 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|
| RAN COEFFICIENT | -0.149001 | -0.263767 | -0.096954 | -0.172113 | -0.126733 | -0.016542 | -0.082896 | -0.094333 | -0.100258 | -0.121739 | -0.049378 | 0.021751 | -0.232280 |
| VARIABLE | AMTNFO | ACCNFO | CONSAT | DROSAT | SUPDEC | MESLEN | EZUND | LONYZ | SPKGRA | PMPCON | EZCOMP | CLRPIC | NOTAMS |
| × | - | 2 | 6 | 4 | 5 | 9 | - | 00 | 6 | 01 | | 12 | |

-0.4400 -0.559060 14 HRLJP

62.7670 HOTELLING'S TRACE CRITERION-

BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

P LESS THAN 3.0001 FOR ROOTS I THROUGH I CHI SQUARE\* 17792.7109 HITH 14. DESREES OF FREEDOM

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

-7.893979

HYPOTHESIS 2 1 DEGREE(S) OF FREEDOM

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01.0.0.0.0.0.0.10

7.4626 F-RATIO FOR MJLTIVARIATE TEST OF EQJALITY OF MEAN VECTORS.

P LESS THAN 0.0001 D.F.= 14. AND 4276.3300

| TCGAH | YPOTHESIS MEAN SQ | UNIVARIATE F | P LESS THAN | STEP DOWN F | P LESS THAN |
|-------|-------------------|--------------|-------------|-------------|-------------|
| | 2.2537 | 2.7929 | 0.0940 | 2.1929 | 3.3943 |
| | 2.1479 | 2.8704 | 1680.0 | 1.7844 | 0.1811 |
| | 6.3106 | 8.0147 | 0.0047 | 4.6381 | 0.0313 |
| | 0.5501 | 0.1758 | 0.3820 | 5.8258 | 0.0158 |
| | 58-1549 | 53.5431 | 0.0001 | 48.1166 | 0.0031 |
| | 5.4945 | 5.9843 | 0.0144 | 1.2100 | 0.2706 |
| | 1.0125 | 1.1596 | 0.2797 | 5.1905 | 3.3227 |
| | 0.0113 | 0.0120 | 0.9134 | 0.1011 | 0.7515 |
| | 0.3128 | 0.3745 | 0.5435 | 3.5231 | 0.0605 |
| | 4.9961 | 4.4419 | 0.0348 | 6.9130 | 0.0086 |
| | 4.1318 | 4.8048 | 0.0282 | 8.3976 | 0.0038 |
| | 0.9541 | 1.1743 | 0.2759 | 8699.0 | 0.4137 |
| | 4.3561 | 6.4217 | 0.0113 | 5.4169 | 0.0199 |
| | 3.6368 | 5.8709 | 0.0153 | 9.2932 | 0.3323 |

DEGREES OF FREEDOM FOR HYPOTHESIS=

DEGREES OF FREEDOM FOR ERROR. 4289.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS 2

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| | | RDY'S CRITERION 0.0239 | ~ |
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| | FARIANCE OF CANOVICAL VARIATE 1 = 0.0245 | | |
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-- DISCRIMINANT FUNCTION COEFFICIENTS--

| ST ANDARDIZED | | 7090-0- | -3.1068 | | -0.2005 | 0. 2394 | | 1991-6- | -1.2300 | 1117 | 0.1639 | -0.1108 | 941110 | 3.1733 | 0.2154 | 001110 | 0.3062 | ***** | 41114 | -0.3502 | 315550 | 0. 3557 |
|-----------------|-----------|---------|-----------|-----------|----------|----------|-----------|---------|-----------|----------|---------|-----------|----------|--------|-----------|--------|---------|----------|--------|-----------|----------|----------|
| RAM COEFFICIENT | -0.066870 | 0.000.0 | -0.123442 | -0.225010 | 41167710 | 0.284365 | -0.735124 | 0317710 | -0.250336 | 0.175352 | 3000140 | -0-123342 | 0.180355 | | 0. 203298 | 70102 | 1610000 | 3.123595 | | 160964-0- | 0.424048 | 2. 2. 2. |
| VALIABLE | AMTNFO | ALLINE | 200 | CONSAT | DRUC AT | 1 | SUPDEC | MEGICA | 15 35 6 | EZJND | I ONV 1 | 7 1100 | SPKSRA | NOUNC | | EZCOMP | 210010 | CLAFIC | VHATON | | HRL JP | |
| > | - | • | | • | • | | 2 | 4 | , | - | α | • | • | 10 | : | - | 13 | 71 | 13 | | * | |

3.3245 HOTELLING'S TRACE CRITERION= BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SJCCESSIVE CANDVICAL VARIATES

P LESS THAN 0.0001

FOR ROOTS 1 THROUGH 1 CHI SQUARE\* 133.5418 41TH 14. DEGREES OF FREEDOM

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

L/RATIVS

-0.154312

HYPOTHESIS 3 1 DEGREE(S) JF FREEDOM

0.01,0,0,0,0,0,0

ENGIVES

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PAGE

F-RATIO FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS. 0.6999

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| P LESS THAN | 0.1709 | 0.3157 | 0.8889 | 0.4902 | 1968.0 | 0.3442 | 0.1715 | 3.7516 | 0.5976 | 0.4358 | 0.0814 | 0.5054 | | 1 | |
|-----------------------|----------|--------|-----------|--------|--------|--------|--------|--------|--------|----------|---------|--------|----------|--|--|
| STEP DOWN F P LE | 1.8617 | 2.2525 | 1.000 | 0.0196 | 1004-0 | 1000 | 0.3850 | 0-1000 | 0.2797 | 0.6155 | 1.8294 | 0.0000 | | | |
| P LESS THAN STEP | | 0.0744 | 0.9029 | 0.5951 | 0.1202 | 0.4685 | 0.6555 | 0.8138 | 0.4994 | 0.5415 | 0.2033 | 0.6694 | 0.3967 | DTHESIS= 1
RDR= 4289. | POTHESIS |
| | | 1.8617 | 3.1748 | 2000 | 0.1293 | 0.5332 | 0.2012 | 0.0562 | 0.4612 | 0.3758 | 0.1113 | 1.6063 | 0.7296 | DEGREES OF FREEDOM FOR HYPOTHESIS*
DEGREES OF FREEDOM FOR ERROR* 4289 | DISCRIMINANT ANALYSIS FOR AVPOTHESIS 3 |
| HYPOTHESIS WEAN SO UN | | 1.5089 | 2,3757 | 0.0119 | 0.2028 | 0.1404 | 0.000 | 16.1.0 | 0.0531 | 0.6236 | 0.0957 | 1,3051 | 0.1240 | 0 E G | 9510 |
| | VAKIABLE | | OLD LANGE | CONCAT | TASOSC | SUPDEC | MESLEN | CNOZE | LONYZ | 9 SPKGRA | NCOMA O | CIRPIC | 3 NOTAMS | | |

| RDY'S CRITERION 3.0023
M= 6.0 N= 2137.0 | | | |
|--|------------------------------------|-----------------|--|
| PER CENT OF CANDUICAL VARIATION- 100.00 | FFICIENTS | STANDARDIZED | -0.8722
-0.8965
-0.8334
-0.8122
-0.0199
-0.0199 |
| PER CENT OF CA | DISCRIMINANT FUNCTION COEFFICIENTS | RAM COEFFICIENT | -0.413441
-0.689559
-0.689559
-0.133294
-0.22817
-0.02817
0.140797 |
| 0.0023 | 2510 | VARIABLE | 1 ANTNFO
2 ACCN FO
3 CONSAT
4 ORDSAT
5 MESLEN
7 EZUND
8 LONYZ |
| : | | | |
| VARIANCE OF CANONICAL VARIATE 1 = | | | |
| VARIANCE | | | |

| -0.1537 | -0.1524 | 0.4234 | -0.5228 | 0.0673 | -0.2363 |
|-----------|-----------|----------|-----------|----------|-----------|
| -0.168140 | -3.143697 | 0.456633 | -0.580053 | 0.081725 | -0.300284 |
| | NC | d | 10 | SW | 10 |
| SPKGRA | PMPC | FZCD | C. R | NOT | 14 4RL |

0.0023 HOTELLING'S TRACE CRITERION.

BARTLETT'S CHI SQJARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

9.8842 WITH 14. DEGREES OF FREEDOM PLESS THAN 3.7706 FOR ROOTS 1 THROUGH 1 CHI SQUARE=

CANONICAL FORM OF LEAST SQJARE ESTIMATES-VARIATES X EFFECTS

1 ENGINES

3.5692900-02

HYPOTHESIS 4 I. DESKEE(S) OF FREEDOM

=

PASE

TOTALFLY 0.0.0.01.0.0.0.0.0.0

5.1650 D.F.= 14. AND 4276.3333 P LESS THAN 0.0001 F-RATIO FOR MJLTIVARIATE TEST OF EQJALITY OF MEAN VECTORS=

| VARIABLE | AYPOTHESIS MEAN SO | UNIVARIATE F | P LESS THAN | STEP DOWN F | P LESS THAN |
|----------|--------------------|--------------|-------------|-------------|-------------|
| | | 113 757 2 | 0-0001 | 17.7572 | 1,000 |
| AMTNFO | 14.3463 | 3161011 | 1271 | 0.1374 | 0.7116 |
| ACCAFD | 1.3820 | 1.8459 | 3330 | 10220 | 0.6312 |
| CONSAT | 2.8764 | 3.6532 | 6660.0 | 19.7458 | 10000 |
| OROSAT | 4.8461 | 6.8347 | 0.000 | 7.4031 | 0.0065 |
| SUPDEC | 4.2877 | 3.9477 | 2000 | 2.0643 | 0.1505 |
| MESL EN | 0.0631 | 0.0087 | 0 9317 | 7810.0 | 0.3073 |
| EZUND | 0.0399 | 0.0457 | 1361 | 0.3446 | 0.5586 |
| LONYZ | 0.1158 | 0.1237 | 0 5173 | 2.0882 | 0.1479 |
| SPEGRA | 0.3534 | 0.4232 | 616.0 | 4.0636 | 0.0438 |
| PMPCON | 3.8142 | 3.3911 | 0.0000 | 0.0198 | 3.8895 |
| EZCOMP | 0.0025 | 0.0030 | 0000 | | |

| 0,1136
0,0086
0,0331 | | | RDY'S CRITERION= 0.0166
N= 6.0 N= 2137.0 | | | | | | | | | | | | |
|------------------------------------|---|--|---|------------------------------------|-----------------|-----------|-----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| 2.4984
6.8745
8.7780 | | | | | 037 | 924 | 131 | 211 | 991 | 846 | \$25 | 282 | 901 | 591 | 986 |
| 0.2757
0.0105
0.0005 | N HYPOTHESIS 1
12 ERROR 4289. | OR HYPOTHESIS 4 | PER CENT OF CANONICAL VARIATION= 100.00 | N COEFFICIENTS | NT STANDARDIZED | -0.6824 | | | 0.0401 | | | 0.02282 | | | -0,3886 |
| 1.1750 6.5516 12.4424 | DEGREES OF FREEDOM FOR HYPOTHESIS"
DEGREES OF FREEDOM FOR ERROR" 4289. | DISCRIMINANT AMALYSIS FOR HYPOTHESIS * | PER CENT | DISCRIMINANT FUNCTION COEFFICIENTS | RAN COEFFICIENT | -0.757964 | -0.364100 | 0.269823 | 0.150874 | 0.097575 | 0.276226 | -0.215190 | 0.321889 | -0.262886 | -0.493744 |
| 0.9546
4.4442
7.7075 | DEGR | DI 52.81 | 1 = 0.0169 | 018 | VANTABLE | 1 ANTINED | 3 CONSAT | 5 SUPDEC | 6 MESLEN | 8 LONY 2 | | | 12 CLRPTC | 13 VOTAMS | |
| 28. | | | FARIANCE OF CANDVICAL VARIATE | | | | | | | | | | | | |
| 12 CLRPIC
13 NOTAMS
14 ARLUP | | | VARTANCE O | | | | | 1-6 | 3 | | | | | | |

FOR ROOTS I THROUGH I CHI SQUARE= 71.8833 AITH 14. DEGREES OF FREEJOM P LESS THAN 0.0001 BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANDVICAL VARIATES

HOTELLING'S TRACE CRITERION. 0.0169

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

TOTALFLY

TDTALFLY -0.176625 HYPOTHESIS 5 1 DEGREE(S) JF FREEDOM

0.0.0.010.0.0.0.0

ANUALFLY

12

PAGE

F-RATIO FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS. 4.1619

D.F.= 14. AND 4276.0000 P LESS THAN 0.0001

| P LESS THAN | | 7305 0 | 101310 | 0.0272 | 0.3082 | 2000 | 0. 413/ | 0.0142 | 1.3535 | 0000 | 00.0 | 0.1217 | 1 1561 | 10000 | 0.8198 | 9000 | 50000 | 0.0935 | 0.0734 | 0.0002 |
|--------------------|----------|----------|--------|----------|----------|---------|---------|----------|---------|--------|--------|--------|-----------|--------|-----------|-----------|-----------|-----------|----------|---------|
| STEP DOWN F | | 1.0856 | , ,,,, | 4.8/45 | 1.0326 | 0.6700 | 0000 | 6.0042 | 0.8598 | 4.2178 | | 2.3828 | 3.6432 | 0.50 | 6160.0 | 12.4428 | 2 7360 | 6071.7 | 3.1959 | 14.7405 |
| P LESS THAN | | 0.2954 | 0.0167 | 1010.0 | 0.9358 | 0.2346 | 30 70 0 | 0.0003 | 0.2155 | 0.2024 | 7011 0 | 0.1194 | 0.0584 | 0.8454 | | 6000.0 | 0.0518 | | 0.0128 | 0.0001 |
| UNIVARIATE F | | 1.0856 | 5.7233 | 7,000 | 990000 | 1.4020 | 3.5107 | 10101 | 1.3563 | 1.6155 | 2.4156 | 001111 | 1676.6 | 0.0383 | 11 1404 | 0041.11 | 3.7728 | 4 1033 | 25.11.0 | 1876-77 |
| HYPOTHESIS MEAN SO | 0 8700 | 11000 | 1787.4 | 0.0052 | 1,000 | 11111 | 3.8131 | 1.3979 | 1 4106 | 101100 | 7.2807 | 2.9854 | | 0.0431 | 9.5869 | 3 0653 | 7690.6 | 4.2011 | 14.2002 | 3003. |
| VARIABLE | 1 AMTNFO | 2 ACCNFO | | 3 CONSAT | 4 3405AT | SCIPOEC | 337.050 | 6 MESLEN | 7 EZUND | NO. | 71100 | SPKGRA | 10 PMP 34 | | 11 E2CUMP | 12 CLRPIC | 13 104111 | LS NUIARS | 14 HRLJP | |

DEGREES OF FREEDOM FOR HYPOTHESIS= 1 DEGREES OF FREEDOM FOR ERROR= 4289.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS 5

ROY'S CRITERION= 3.3134 M= 6.0 N= 2137.3 PER CENT OF SANDNISAL VARIATION= 100.00 STANDARDI ZED --DISCRIMINANT FUNCTION COEFFICIENTS--RAM COEFFICIENT 0.033539 VARIABLE 1 AMTNFO 2 ACCNFO 0.0136 VARIANCE OF CANONICAL VARIATE 1 =

HOTELLING'S TRACE CRITERION. 0.0136

BARTLETT'S 2-11 SQUARE TEST FCR SIGNIFICANCE OF SUCCESSIVE CANDNICAL VARIATES

P LESS THAN 0.0001

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

ANUALFLY

0.104925

HYPOTHESIS 6 1 DESKE(S) OF FREEDOM

PAGE 13

GADO

0,0,0,0,01,0,0,0

F-RATIO FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS\* 18.0852

| P LESS THAN | 0.0040 | 3.2583 | 0.3819 | 0.4072 | 3.2452 |
|----------------------|----------|----------|----------|----------|----------|
| STEP DOWN F | 8.2927 | 1.2739 | 0.7651 | \$065.0 | 1,3393 |
| P LESS THAN | 0.0040 | 0.0746 | 0.0443 | 0.6070 | 0.0505 |
| UNIVARIATE F | 11.2927 | 9.1679 | 4.0360 | 0.2676 | 1.8140 |
| HY POT HESTS MEAN SQ | 6.7214 | 2 -3705 | 3.1778 | 0.1897 | 4.1425 |
| VARIABLE | 1 AMTNEO | 2 ACCNFO | 3 CONSAT | 4 ORDSAT | 5 SUPDEC |

| SLEY | 2.6537 | 2.8932 | 0.0885 | 0.0088 | 0. 9251 |
|--------|----------|----------|--------|----------|---------|
| 01 | 0.8645 | 0.9901 | 0.3231 | 0.0105 | 0.9183 |
| 244 | 0.2976 | 0.3152 | 0.5765 | 0.1922 | 9.5613 |
| CSAA | 2.2253 | 2.5648 | 0.1017 | 0.1686 | 0.6812 |
| PCOM | 259.0619 | 230,3255 | 1000.0 | 235.8541 | 0.0001 |
| COMP | 4.6705 | 5.4313 | 0.0197 | 0.5633 | 3.4545 |
| CLRPIC | 3.2749 | 4.0308 | 0.0445 | 1.5909 | 0.2065 |
| TA#S | 1.3812 | 2.0361 | 0.1522 | 0.4764 | 0.4929 |
| 47 | 5.2934 | 8.5452 | 0.0035 | 1.3407 | 0.2450 |

DEGREES OF FREEDOM FOR HYPOTHESIS 1 DEGREES OF FREEDOM FOR ERROR # 4299.

DISCRIMINANT ANALYSIS FOR HYDJTHESIS 6

| 42 6.0 NE 2137.0 | | | | | | | | | | | | | | | | |
|--|------------------------------------|-----------------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| PER CENT OF CANONICAL VARIATION = 100.00 | FICIENTS | ST ANDARDIZED | 0.1357 | 0.0401 | 0.0140 | -0.1232 | 0.0756 | -0.0326 | -0.0446 | -0.1700 | -0.0269 | 1.0381 | -0.0362 | -0.1003 | -3.0755 | 0.0829 |
| PER CENT OF CAN | DISCRIMINANT FUNCTION COEFFICIENTS | RAN COEFFICIENT | 0.150712 | 0.046310 | 0.015778 | -0.146275 | 0.072563 | -0.034028 | -0.047759 | -0.175001 | -0.029413 | 0.978805 | -0.039073 | -0.111257 | -0.091704 | 0.105378 |
| 0.0592 | 01504 | VARIABLE | 1 AMTWED | 2 ACCNFO | 3 CONSAT | 4 DROSAT | 5 SUPDEC | 6 MESLEN | 7 EZUND | 8 LONY 2 | 9 SPKGRA | 10 PMPCON | 11 EZCOMP | 12 CLRPIC | 13 NOTAMS | 14 HRLUP |
| VARIANCE DE CANDNICAL VARIATE 1 = | | 4- | 66 | | | | | | | | | | | | | |

HOTELLING'S TRACE CRITERION. 0.0592

BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

P LESS THAN 3.0301 14. DESREES OF FREEDOM 246.3824 WITH FOR ROOTS 1 THROUGH 1 CHI SQUARE-

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

| PAGE 14 | P LESS THAN | 0.8108
0.8108
0.6989
0.5264
0.5264
0.8138
0.8138
0.1813
0.3052
0.3052 |
|--|--------------------------------|--|
| POWERPHT | STEP DO | 1.1601
0.1695
0.1695
0.7839
0.0000
0.0000
0.0000
0.0139
1.0557
11.6532 |
| 1 DESTEELS) OF FREEDOM DUALITY OF MEAN VECTORS | P LESS THAN 0.1055 P LESS THAN | 0.4656
0.7456
0.7453
0.7743
0.7743
0.9164
0.9164
0.0005
0.2311
0.0005
0.2311
0.0005
0.47807HESIS 1 |
| THESIS 7 | 14. AND 4276.0000 | 0.0001 0.9919 0.5375 0.4556 0.0030 0.55743 0.0108 0.3621 0.0032 0.743 0.0032 0.743 0.00420 0.9549 0.0449 0.1859 0.4449 0.4688 0.0112 0.6539 1.4726 0.9164 0.0005 0.6539 0.6549 0. |
| 0000 | AYPOTHESIS MEAN SQ | 0.7154
0.0001
0.0588
0.0588
0.0028
0.0028
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| 6A00
1 0.2511 | VAZITABLE | AMTYFO
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RDY'S CRITERION" 0.0048 M= 6.0 N= 2137.3

PER CENT OF CANONICAL VARIATION\* 100.00

0.0049

FARIANCE OF CANDVICAL VARIATE 1 =

--DISCRIMINANT FUNCTION COEFFICIENTS--

| STANDARDI ZED | | 1897-6 | | | 0 | 1840-0 | | -0.329B | | | | | 1046.6 | | | | | | |
|-----------------|----------|--------|-----------|-----------|----------|--------|-------|-----------|-------|-------|----------|--------|--------|---|-------|--------|------------|-------|---|
| RAN COEFFICIENT | 0.298650 | 0 | -0.038075 | -0.328089 | 0.057833 | | , | -0.344232 | | | 0.053997 | | | 5 | | 0 225 | | | |
| VARIABLE | AMTNFO | ACCNED | | CUMSAT | DROSAT | SUPPE | 20.00 | AESLEN . | EZJND | - ONC | 7100 | SPRURA | PAPCON | | FLUAR | CIRPIC |
MULAHS | ar an | 2 |
| > | - | 2 | | ^ | * | 2 | , , | 0 | 1 | α | 0 | • | 0 | | 4 | 2 | n | 16 | |
| | | | | | | | | | | | | | | | | | | | |

0.0349 HOTELLING'S TRACE CRITERION= BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANDUICAL VARIATES

20.'845 AITH 14. DEGREES OF FREEDOM P LESS THAN 0.1073 FOR ROOTS 1 THROUGH 1 CHI SQUARE\*

4-68

CANDNICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

POWEROUF

0.139437

HYPOTHESIS 8 I DEGREE(S) OF FREEDOW

15

PAGE

OLD USE

0,0,0,0,0,0,0,0,0

3.4259 D.F.= 14. AND 4276.0000 P LESS TIAN 0.0001 F-RATIO FOR MULTIVARIATE TEST OF EQUALITY OF MEAN VECTORS=

UNIVARIATE F HYPOTHESIS MEAN SQ

VARIABLE

P LESS THAN

STEP DOWN F

P LESS THAY

| | 630.0 | | 3.547 | 0.217 | 0.00 | 770 | | 0.00 | 0.269 | 0.040 | 1.232 | | 9000 | 10.0 | 0.289 | 0.189 | 0.0002 |
|---|--------|---------|----------|--------|--------|--------|---------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|
| | 1.5939 | | 0.2085 | 1.5143 | 5.2012 | 2021 | 170710 | 6.3633 | 1.2164 | 4.2007 | 1.4192 | 8141.0 | 7766 | *000.0 | 1.1193 | 1.7116 | 14.8566 |
| | 0.3577 | 93750 | 6. 21.49 | 0.0629 | 0.0026 | 0.5971 | 0 000 | 30000 | 0.6767 | 0.4112 | 0.0087 | 0.3072 | 45000 | | 0.0120 | 0.0072 | 1000.0 |
| | 3.1939 | 7204 0 | | 3.4460 | 9.3782 | 0.7879 | 14050 | 054 | 0733 | 0.0821 | 91611-9 | 1.0317 | 160.1.8 | | 6. 1061 | 7.2166 | 55.4964 |
| | 2.9130 | 1763 0 | 10000 | 2.7133 | 6.4368 | 5.3073 | 13.3085 | | 0.1551 | 0.6440 | 5.7550 | 1.1604 | 7.4037 | | 5.1234 | 4.8953 | 15. 939 |
| - | AMTNFO | ACCINED | | CONSAT | ORDSAT | SUPDEC | MESLEN | 27.140 | 01033 | LOWZ | SPKSRA | NOCHMA | EZCOMP | 210015 | CLAFIC | NOTAMS | HRLJP |
| • | - | ~ | | - | | | 9 | | | | • | 0 | _ | | | • | |

DEGREES OF FREEDOM FOR ERROR= 4289.

DISCRIMINANT AMALYSIS FOR AYPOTHESIS 8

| RDY'S CRITERION= 0.01111
M= 6.0 N= 2137.0 | • |
|--|------------------------------------|
| PER CEUT DE CAUDUICAL VARIATION= 100.00 | DISCRIMINANT FUNCTION COEFFICIENTS |
| 5.3112 | 0153 |
| : | |
| VARIANCE OF CANONICAL VARIATE 1 - | |

| STAVDARDIZED | 1760.0 | 0.0568 | -0.0067 | -5.2732 | 0.1685 | -0.4323 | 9060°C | 0.4220 | -0.1461 | 0.0530 | -0.2218 | -0.1360 | +010-0- | -0.6185 |
|-----------------|----------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| RAM COEFFICIENT | 0.107886 | 0.065613 | -0.007543 | -0.324498 | 0.161690 | -0.451160 | 0.096979 | 0. 434349 | -0.159922 | 0.049973 | -0.239146 | -0.150869 | -0.012669 | -0.785818 |
| VARIABLE | 1 AMTNFO | 2 ACCNFO | 3 CONSAT | 4 ORDSAT | 5 SUPDEC | S MESLEN | 7 EZUND | | 9 SPKGRA | | | | | |
| | | | | | | | | | | | | | | |

HDTELLING'S TRACE CAITEAIDN\* 0.0112

BARTLETT'S CHI SQUARE TEST FOR SIGNIFICANCE OF SUCCESSIVE CANONICAL VARIATES

P LESS THAN 0.0001 14. DEGREES OF FREEDOM 47.8271 WITH FOR ROOTS 1 THROUGH 1 CHI SQUARE.

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

OLD USE

8.9844900-02

HYPOTHESIS 9 1 DESKEE(S) OF FREEDOM

0.0.0.0.0.0.0.0.0

16

PASE

NEW USE

9.5655 D.F.= 14. IND 4276.0000 P LESS THAN 0.0001 F-RATIO FOR MJLTIVARIATE TEST OF EQJALITY OF MEAN VECTORS.

| | UNIVARIATE F | P LESS THAN | STEP DOWN F | P LESS THAN |
|----------|--------------|-------------|-------------|-------------|
| | | | | |
| 37.1939 | 45.8891 | 1000 | | |
| 25.6086 | 16 2224 | 10000 | 45.8891 | 3.3331 |
| 20.00 | 47777.46 | 1000.0 | 18.8882 | 0.0001 |
| 20.3938 | 25.9012 | 0.0001 | 4 7448 | |
| 8.4136 | 11.8661 | ,000 | 0000 | 7**0.0 |
| 13 3008 | 100011 | 0.000 | 0.0269 | 0.8599 |
| 0005.55 | 1947-71 | 0.0005 | 1.0300 | 9701 |
| 28.44(2 | 41.8752 | 1000.0 | 8.1710 | 0 0000 |
| 1.6449 | 1.8839 | 7071 0 | | 0.0043 |
| 0.3957 | | 00110 | 3.3153 | 3.3534 |
| 10 4001 | 1614-0 | 0.5199 | 2.9335 | 0.0864 |
| 1064-61 | 23.3401 | 1000.0 | 3727 | |
| 10.6826 | 0.4977 | 10000 | | 0. 2003 |
| 25 7250 | | 0.0021 | 1.9919 | 0.1580 |
| 000100 | 7966-14 | 0.0001 | 14.0860 | 1 1112 |
| 18.8792 | 23.2375 | 1000 | | 35555 |
| 26.2732 | 20 7217 | | 0.0287 | 0.8656 |
| 34. 5722 | 1161.00 | 1000-0 | 9.5188 | 0.0020 |
| 77171 | 8018.00 | 0.0001 | 20.8921 | 11111 |

DEGREES OF FREEDOM FOR HYPOTHESIS= 1 DEGREES OF FREEDOM FOR ERROR= 4289.

DISCRIMINANT ANALYSIS FOR HYPOTHESIS 9

| ROY'S CRITERION 0-0304 | M= 6.0 N= 2137.3 |
|--|------------------|
| PER CENT OF CANONICAL VARIATION 100.00 | |
| 0.0313 | |
| : | |
| VARIANCE OF CANDVICAL VALIATE | |

| -0.298779 -0.343242 -0.10136 -0.097258 -0.18746 -0.27290 -0.187746 -0.269613 -0.069533 -0.069533 -0.0991211 | BLE RAY COEFICIENT STANDARDIZED | 076 0- | 0.5890 | 6967.6 | 690.0 | 0.0819 | 10.00 | 25.50 | 0.1734 | 97470 | 0660-0- | 0160-0- | -0.3131 | 0.0371 |
|---|---------------------------------|-----------|-----------|-----------|----------|-----------|-----------|----------|--------|-----------|-----------|-----------|---------|--------|
| | RAY COEFFICIENT | -0-298779 | -0.343242 | -0-101134 | 0.097258 | -3.063526 | -0.257290 | 0-187746 | | -0.066533 | -0.029244 | -0.337675 | 515151 | ; |

HOTELLING'S TRACE CRITERION\* 0.0313

BARTLETT'S CAI SQUARE TEST FOR SIGNIFICANCE OF SJCCESSIVE CANDVICAL VARIATES

FOR ROOTS 1 THROUGH 1 CHI SQUARE\* 132.1106 41TH 14. DEGREES OF FREEDOM P LESS THAM 0.0001

CANONICAL FORM OF LEAST SQUARE ESTIMATES-VARIATES X EFFECTS

NEW USE

0.187120

FSS CONTACT PRE-FLIGHT AND IN-FLIGHT

This section presents the question 9 data obtained from the initial, follow-up, and supplementary survey returns of the primary questionnaire.

The material is discussed in volume I subsections under PILOT SURVEY entitled FSS CONTACT REDUCED and FSS CONTACT LENGTH.

| INED |
|------|
| INED |
| |

CONTACT OF THE FSS FOR ADDITIONAL INFORMATION
AFTER LISTENING TO THE TRIAL PATWAS
-PERCENTAGES-

| | FSS CONTACTED | ACTED YES | TOTAL |
|------------------------|---------------|-----------|--------|
| PRE-FLIGHT FSS CONTACT | 26.44 | 73.56 | 100.00 |
| IN-FLIGHT FSS CONTACT | 40.04 | 53.96 | 100.00 |
| TOTAL | 35.35 | 64.65 | 107.00 |

LENGTH OF FSS CONTACTS WHEN MADE

| | LESS THAN | BETWEEN 1
TO 5 MINS. | BETWEEN & | HORE THAN | CONTACTS |
|------------------------|-----------|-------------------------|-----------|-----------|----------|
| PRE-FLIGHT FSS CONTACT | 21.84 | 72.32 | 3.82 | 2.02 | 100.00 |
| IN-FLIGHT ESS CONTACT | 61.11 | 36.23 | 1.03 | 1.63 | 100.00 |
| T074L | 36.73 | 58.63 | 2.76 | 1.87 | 100.00 |

FOLLCW-UP

114

CONTACT OF THE FSS FOR ADDITIONAL INFORMATION
AFTER LISTENING TO THE TRIAL PATMAS

| | - C - C - C - C - C - C - C - C - C - C | |
|---------------------|---|--------------|
| | FSS CENTACTED YES | TOTAL |
| TONTACT FSS CONTACT | 28.95 | 11.05 |
| TONING SAN THE STAN | 47.48 | 52.52 100.00 |
| TOTAL | 37.34 62. | 62.66 100.00 |

LENGTH OF FSS CONTACTS WHEN MADE

| | LESS THAN | BETWEEN 1
TO 5 HINS. | BETWEEN 6
TO 10 MINS. | MORE THAN | CONTACTS | |
|-------------------------|-----------|-------------------------|--------------------------|-----------|----------|--|
| POPE-ELICHT FCS CONTACT | 21.02 | 72.31 | 4.04 | 2.13 | 130.00 | |
| TOPLICATION CONTACT | 60.15 | 37.11 | 1.12 | 1.62 | 100.00 | |
| וא-דריטה ביי היים | 35.87 | 59.26 | 2.93 | 1.94 | 100.00 | |

| LENGTH OF FSS CONTACTED YES TOTAL 27.35 43.33 56.47 100.00 34.78 65.22 100.00 34.78 65.22 100.00 100.00 100.00 100.00 110.00 110.00 110.00 110.00 110.00 110.00 110.00 110.00 110.00 |
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| | LESS THAN | BETWEEN 1 | BETWEEN 6 | HORE THAN | CONTACTS | |
|------------------------|-----------|-----------|-----------|-----------|----------|--|
| PRE-FLIGHT FSS CONTACT | 29.89 | 16.42 | 1.48 | 2.21 | 100.00 | |
| IN-FLIGHT FSS CONTACT | 84.99 | 312.96 | • | 0.56 | 100.00 | |
| TOTAL | 77.77 | 53.11 | 68.0 | 1.56 | 100,00 | |

SUPPLEMENTAL SURVEY

The primary questionnaire asked for volunteers who wished to participate in a follow-up survey. A summary of the results obtained from these returns is presented here. The material relates to the volume I discussion entitled SUPPLEMENTAL SURVEY.

| | HAS YOUR LICENSE/RATING CHANGED SINCE YOUR LAST REPORT | SINCE YOUR LAST REPORT | |
|------------------|--|------------------------------|--|
| Q | YES | TOTAL | - Charles and the control of the con |
| NO, OF CALLS 957 | 29 | 1019 | |
| PERCENTAGE 93,92 | 80.0 | 100,00 | |
| | PATHAS BRIEFING RECEIVED | RECEIVED | |
| NORTHBOUND | SOUTH AND WESTBOUND | וסכאר | TOTAL |
| NO. OF CALLS 478 | .336 | 427 | 1541 |
| PERCENTAGE 38,52 | 27.07 | 34.41 | 100.00 |
| 00 | OD YOU LIKE SELECTING ONE BRIEFING FROM AMONG THREE ALTERNATIVES | ROM AMONG THREE ALTERNATIVES | |
| 2 | YES | TOTAL | |
| ND, OF CALLS 45 | 1081 | 1126 | |
| PERCENTAGE 4.00 | 00.96 | 100,00 | |
| MHM | WHAT FLIGHT CONDITIONS PREDOMINATED WHILE YOU WERE AIRBORNE | D WHILE YOU WERE AIRBORNE | |
| VFR | MARGINAL VFR | IFR | TOTAL |
| ND. OF CALLS 668 | 279 | 168 | 1113 |
| PERCENTAGE 59.91 | 25.02 | 15.07 | 100,00 |

| PRE-FLIGHT 147 (16,33) 184, | G RECEIVED FROM THE YES 02) 711 51) 618 44) 1329 44) 758 768 YES 420 (87,14) 235 (73,44) 655 (81,67) | TAIAL PATMAS MAN
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TELEPHONE ACTIVITY

Various measures of telephone activity were obtained and correlated with FSS observations of actual weather. The raw and partially processed data are presented in various segments on the following pages. The material is discussed in volume I section entitled TELEPHONE ACTIVITY.

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| LOCAL NYC AREA | 278.59 | 400.92 | 592.00 | 316.82 |
| 97 | 97,35 | 136.54 | 176.00 | 108.13 |
| 100 | 85.37 | 124.46 | 194.37 | 97.85 |
| T01aL | 154.62 | 220.64 | 324.93 | 175.20 |
| | CATEGOR 1 2 E | CATEGORIZEO BY ROUTE AND BY TIME PERIOD GRAND TOTAL | | |
| | 112 | 182 | 753 | TOTAL |
| LOCAL NYC AREA | 7011 | . 14622 | 9732 | 31365 |
| RD ITES NORTHBOUND | 2042 | 5586 | 3005 | 10633 |
| ADJIES SOUTH + MESTBOUND | 2029 | 7580 | 2785 | 4364 |
| | 11092 | 24788 | 15522 | 51392 |

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| | AGUTES NURT-IBRUPU | 7626 | 1775 | 1232 | 10033 | |
| | ROUTES SOUTH + WESTBOUND | 6545 | 1619 | 1231 | 9304 | the same of the sa |
| | TOTAL | 36180 | 8605 | 6607 | 51392 | |
| | | AVERAG
CATEGORIZED BY | AVERAGE MESSAGE LENGTH CATEGRAIZED BY ROUTE AND BY WEATHER CONDITION GRAND TOTAL | NDITION | | |
| | | œ di A | MVFR | 1 F.R | TOTAL | i |
| 7-3 | LOCAL MYC AREA | 4.78 | 6.34 | 6.62 | 5.11 | |
| | ROUTES NORTHBOULD | 5.72 | 6.75 | 7.17 | 5.96 | ! |
| | ROUTES SOUTH + MESTBOUND | 5.52 | 6.90 | 7.55 | 5.84 | |
| | TOTAL | 5.34 | 6.66 | 7.10 | 5.64 | |
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| 180 | | 00 | 56 | 26 | 4.25 | 3.45 | 5 33 | • > | > : | |
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108 108
108 1 | | 57 | 52 | 4.1 | 3.73 | 4.93 | 3.83 | • > | > | > |
| 183 57 4.33 6.20 173 16.20 183 175 182 18.25 185 176 186 1875 185 186 1875 183 186 1876 183 186 1876 183 186 1876 183 186 1876 183 185 1876 183 185 1876 185 1876 187 | | 36 | 58 | 16 | 0 | 5.17 | 22. 7 | - // | > : | > |
| 123 | | 5 | 183 | 57 | 4.33 | 6.20 | 5.13 | • > | > : | |
| 87 16 3.37 3.67 3.67 101 62 3.25 101 62 3.25 105 105 105 105 105 105 105 105 105 10 | 4 . | 24 | 123 | 55 | 3.75 | 3.58 | 3 75 | • 10 | > | |
| 101 82 3.67 3.25 1.75 1.69 1.76 1.75 1.75 1.76 1.76 1.76 1.76 1.76 1.77 1.77 1.77 | ٠. | 63 | 87 | 16 | 3.37 | 3.67 | | . > | > : | |
| 101 82 3.25 3.75 1.69 1.75 1.75 0.86 1.75 1.75 1.75 1.75 1.75 1.75 1.75 1.75 | ď • | 53 | 43 | 72 | 5.67 | 5.25 | | | > . | |
| 175 176 5.85 3.08 1.79 1.79 6.86 7.17 1.2 5.17 1.33 2.6 4.13 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 1.2 5.17 1.2 5.18 | 1 - | 07 | 101 | 82 | 3.25 | 3.75 | 5.33 | - > | 5 | |
| 169 176 6.8C 7.17
195 35 4.63 5.17
133 26 4.12 5.17
133 67 6.10
83 67 7 7.08
83 65 7.10
103 4.03 5.25
70 102 4.77 4.42 | | 87 | 75 | 25 | 3,85 | 3.08 | 7.00 | - 0 | | |
| 133 3 5 4 4 6 3 1 7 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 | 1 . | 67 | 169 | 176 | 6.80 | 7.17 | 7 25 | | | |
| 195
133
153
153
155
157
158
158
158
158
158
158
158
158 | d . | 106 | 179 | 68 | 7.12 | 5.17 | 22. 7 | 1 | 2 | |
| 133 26 4.17 6.08 83 83 83 83 83 83 83 83 83 83 83 83 83 | 4 | 56 | 195 | 35 | 4.63 | 5.17 | 5.25 | > > | > ; | |
| 83 67 0. 7.08
83 62 6.112 6.25
69 183 3.78 4.08
70 102 4.77 4.43 | | 70 | 133 | 56 | 4.17 | 80.9 | 800 | | > . | |
| 93 62 4.12 6.25
69 183 3.78 6.08
97 69 3.40 3.43
70 102 4.77 4.42 | 1 - | 24 | 65 | 67 | .0 | 7.08 | 6.17 | > > | | |
| 59 183 3.78 4.08
57 165 5.40 3.83
70 162 4.77 4.42 | | 2 1 | 83 | 62 | 4.12 | 6.25 | 83 | ^ | | |
| 70 102 4.77 4.42 | | 67 | 00 | 183 | 3.78 | 4.08 | 6.42 | . > | | |
| 70 102 4.77 4.42 | | 1.8 | 24 | 69 | 3.40 | 3.83 | 3 0 2 | | ^ | |
| | | 56 | 10 | 102 | 4.77 | 4.42 | 0 00 | • > | , | |

WEATHER CONDITION LENGTH (MINS.) PATWAS DATA REDUCTION NO. OF CALLS LINE

| DATE | - I NE | Z | NO. OF CALLS | s | 11 | LENGTH (MINS.) | | WEA | WEATHER CONDITIES | 10. |
|-------|--------|-----|--------------|-----|------|----------------|------|-----|-------------------|-----|
| | | 112 | 187 | 232 | 112 | 182 | 282 | 112 | 182 | 232 |
| 4 | U | 2.1 | 32 | 52 | 0. | 0 | 0. | 1 | 2 | |
| 1 | v | 12 | 23 | 6.1 | 0. | | | . > | 2 | > > |
| 1 | U | 23 | 53 | 6 | • | | 0.0 | . > | - 3 | |
| 4 76 | U | 45 | 37 | 6 | • 0 | • | | > | > > | > > |
| ~ | | o | 54 | 13 | • 0 | .0 | 0. | > | 11 | > 2 |
| | U | 14 | 52 | 2.5 | • | | 0. | > | • > | • > |
| - | U | ٥ | 25 | 15 | .0 | | 0 | > | . > | * 3 |
| | Ų, | æ | 36 | 53 | • 0 | • | | > | | > . |
| | 0 | 13 | 27 | 53 | · c | .0 | 6.42 | > | .) | |
| 4 | 0 | 53 | 2.2 | 6 | 4.58 | 4.83 | 7.17 | > | | . > |
| | ۰ | 17 | 65 | 9 | 8.33 | 00.0 | 5.83 | > | | 10 |
| | ۰ | _ | 2.1 | 19 | 5.50 | 5.92 | 5.05 | > | . > | > > |
| | ۰ | æ | 53 | 16 | 7.00 | 5.17 | 4.33 | > | . > | |
| 4 | ٠, | 10 | 58 | 17 | 5.08 | 5.05 | 4.58 | > | > | |
| | ٠ | 21 | 27 | 45 | 0. | 5.25 | 5.05 | > | | 7 |
| 1 | v. | 25 | 58 | 23 | 4.58 | 6.20 | 5.12 | > | | . > |
| 14 | u, | 18 | 27 | 0 | 3.53 | 4.50 | 4.08 | > | . ^ | > > |
| | ۰ | 00 | 56 | 7 | 4.47 | 4.08 | 4.67 | > | . > | . > |
| | . ب | æ | 23 | 20 | 90.9 | 5.42 | 5.33 | > | . ^ | . > |
| | υ, | 11 | 53 | 27 | 4.83 | 4.67 | 6.50 | > | . > | |
| | ٠ | 4 | 30 | 34 | 5.57 | 4.80 | 7.00 | > | | |
| | ٠ | 12 | 94 | 56 | 7.85 | 6.50 | 7.92 | - | . 3 | . 5 |
| | U | 22 | 3.1 | 12 | 5.68 | 5.58 | 5.25 | ^ | D. | . 4 |
| | U | 15 | 0, | 20 | 24.9 | 5.25 | 5.17 | > | . 5 | |
| | Ų. | 25 | 0,4 | 12 | 6.95 | 7.25 | 5.73 | > | | |
| 25 76 | ۰ | 1 3 | 56 | 18 | • 0 | 3.75 | 7.75 | > | . 7 | |
| | ، ن | Ξ | 77 | 15 | 7.00 | 8.17 | 7.58 | > | | |
| | ، ن | 11 | 23 | 53 | 5.70 | 5.50 | 5.50 | > | . > | |
| | U | | 30 | 11 | 86.4 | 5.17 | 3.25 | ^ | | 11 |
| | | 7 | , . | | | | | | | |

| DATE LINE NO. OF CALLS 112 112 114 115 115 116 117 117 118 118 118 118 118 | 232
48
90
24
60
60
63
4.07
156
4.07 | LENGTH (MINS | The same of the sa | | |
|--|--|--------------|--|-------------|-------------|
| 111 | | | | WEATHER CON | CONDITION |
| | | 187 | 762 | 112 182 | 262 |
| 100 100 100 100 100 100 100 100 100 100 | | 07.9 | 7,33 | Σ. | 1 |
| 100 100 100 100 100 100 100 100 100 100 | | 5.38 | 2.00 | > | > |
| 100 100 100 100 100 100 100 100 100 100 | | 6.35 | 4.08 | > | > |
| 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 4.43 | 5.05 | | > |
| 10 176 PA | | 4.47 | 5.75 | > | > |
| 111 76 A A A A A A A A A A A A A A A A A A | | 00.9 | 6.08 | > | |
| 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | 7.50 | 7.07 | > | 2 |
| 11 76 A A 13 3 3 4 15 7 6 A A 10 7 6 A 10 7 6 A 10 7 6 A 10 7 6 A 10 7 6 A | | 3,58 | 3.33 | > | 1 |
| 112 76 A 129 112 112 76 A 135 113 115 76 A 135 115 76 A 104 115 76 A 104 115 76 A 105 76 76 76 76 76 76 76 76 76 76 76 76 76 | | 4.28 | 3.25 | > . | > |
| 112 76 A 49 113 76 116 A 113 76 A 113 76 A 113 76 A 113 76 A 110 7 | | 3.33 | 3,58 | > | > |
| 112 76 A 133 113 115 76 A 113 115 76 A | | 5.08 | 6.30 | > | |
| 13 76 A 35 13 15 76 16 16 16 16 16 16 16 | | 6.17 | 4.97 | > | ^ |
| 12 76 A 104 104 105 | | 4.50 | 5.12 | | > |
| 115 76 A 104
115 76 A 85
118 76 A 94
118 76 A 65 | 157 5.15 | 7.25 | 7.17 | Σ | > |
| 1 12 76 A 934
1 18 76 A 65 | | 5.33 | 5.13 | | > |
| / 17 / 76 A 34 | | 6.12 | 7.08 | | |
| / 18 / 76 A 62 | 0 76 | 6.33 | 7.50 | ^I | ۸. |
| 7 10 / 10 V | 110 0. | 8.30 | 6.87 | > I | ۸ |
| | 104 . 0. | 4.4 | 5.52 | > | A |
| 1 20 / 76 A 69 | | 50.5 | 7.67 | | , |
| / 21 / 76 A 55 | 92 5.75 | 7.17 | 5.33 | | > |
| / 22 / 76 A 34 | | 00.4 | 2.75 | >.
• | A |
| 7 23 / 76 A 39 | 32 0. | 3.37 | 3.25 | - | > |
| 1 24 / 76 A 19 | •0 6, | 4.42 | 4.50 | | N. |
| 1 25 / 76 A 25 | | 0. | 4.78 | Λ Λ | |
| / 20 / 76 A 25 | | 5.58 | 6.17 | > | ^ |
| 1 27 / 76 A 18 | | 3.93 | 0 | | 11 |
| 01 | | | | | ^ |
| 76 4 | | 3.92 | 00.4 | | > > |
| 7 28 / 76 A 1 | | 3.92 | 00.4 | >> | >> |
| 28 / 76 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 3.92 | 00.4 | | >>> |
| 759 76 A 76 76 78 78 78 78 78 78 78 78 78 78 78 78 78 | 73 5.05
30 5.08 | 3.92 | 7.40 | | >> E |

| ATE | LINE | ON | NO. OF CALLS | | LF | LENGTH (MINS.) | ., | WEAT | WEATHER CONDITIES | 10.1 |
|---------|------------|-----|--------------|------|------|----------------|------|------|-------------------|------|
| | | 112 | 187 | 282 | 112 | 182 | 232 | 112 | 182 | 232 |
| 1 / 76 | æ | 17 | 42 | 10 | • 0 | 6.22 | 7.08 | Σ | 2 | |
| 2 / 76 | æ | 20 | 37 | 2 | .0 | 5.18 | 5,25 | > | ^ | . > |
| - | 60 | 00 | 62 | 80 | 6.88 | 6.62 | 5.17 | I | > | > |
| 4 | 60 | . 7 | 19 | 6 | 4.28 | 5.83 | 5.12 | > | 7 | > |
| | œ | œ | 16 | 2.2 | 4.95 | 4.47 | 7.00 | > | > | > |
| 4 | 8 | 13 | 31 | 22 | 6.05 | 6.75 | 7.67 | > | > | > |
| 7 | æ | 2.1 | 64 | 45 | 7.50 | 7.00 | 6.95 | > | 7 | Σ |
| 5 | æ | 22 | 60 | 0 | 4.87 | 5.83 | 5.00 | > | . > | > |
| × | œ | 11 | 31 | 0 | 4.75 | 4.47 | 4.58 | > | D | > |
| - | 9 | 4 | 14 | 6 | 4.85 | 3.83 | 4.17 | > | > | > |
| - | œ | 12 | 23 | 15 | 6.75 | 4.75 | 7.78 | > | > | |
| - | 80 | 6 | 53 | . 12 | 7.92 | 7.50 | 4.78 | Σ | > | > |
| - | æ | 2 | 54 | 13 | 0 | 4.67 | 5.05 | > | | > |
| - | æ | 15 | 9.5 | 43 | 5.27 | 6.75 | 7.33 | Σ | Σ. | 5 |
| - | 33 | 15 | 30 | 10 | 7.33 | 5.17 | 5.50 | I | > | 0 |
| - | ത | 25 | 30 | 10 | .0 | 5.97 | 7.25 | | • | |
| | œ | 4 | 54 | 18 | . 0 | 7.67 | 8.17 | - | 1 | 6 |
| - | 60 | 14 | 92 | 20 | .0 | 7.65 | 7.40 | - | > | |
| - | æ | 14 | 94 | 21 | .0 | 7.45 | 7.10 | Σ | > | ^ |
| | 20 | 19 | 58 | 0,4 | • 0 | 60.0 | 6.92 | > | Α | > |
| - | æ | 12 | 99 | 22 | 6.25 | 7.00 | 5.37 | I | 7 | > |
| | æ | 9 | 31 | 2 | 4.48 | 6.08 | 6.42 | > | 0 | > |
| - | œ | 0 | 27 | 2 | 0.0 | 4.17 | 4.92 | > | | > |
| | 8 | 11 | 54 | 18 | • | 1.67 | 4.53 | > | > | . > |
| - | æ | 4 | 04 | 22 | 0. | 0 | 4.62 | > | Δ | |
| 1 | 90 | 14 | 25 | 23 | .0 | 5.92 | 0.20 | > | | |
| - | œ | 6 | 24 | 28 | 4.45 | 16.5 | 0 | > | | |
| - | œ | | 4.2 | 32 | 4.78 | 4.42 | 4.75 | > | | |
| - | nc | 25 | 33 | 6 | 5.75 | • | 5.52 | Λ | ^ | |
| 30 / 76 | a 2 | 16 | 2.5 | 1.1 | | 200 | 30 | | | |
| | | | | | • | 200 | | | | 6 |

| LINE | | MD. OF CALLS | | THE PERSON NAMED IN | LENGTH THINS.) | •• | MEA | WEATHER CONDITION | NO |
|-------|------|--------------|------|---------------------|----------------|-------|------|-------------------|-----|
| | 111 | 187 | 232 | 112 | 191 | 767 | 1112 | 181 | 137 |
| 76 C | 56 | 32 | 12 | .0 | 6.45 | 0. | I | 3 | 1 |
| 76 C | 32 | 52 | m | • | 5.13 | 6.08 | > | > | > |
| 2 94 | 30 | 04 | 12 | 8.25 | 7.23 | 3.50 | I | > | > |
| 76 C | . 14 | 56 | 60 | 5.38 | 88.7 | 5.17 | > | ^ | > |
| 2 94 | 11 | 36 | 56 | 5.58 | 4.50 | 90.9 | > | > | > |
| 2 94 | 16 | 23 | 15 | 7.57 | 7.92 | 7.17 | > | > | > |
| 2 94 | 12 | 43 | 33 | 7.58 | 6.75 | 7.12 | > | > | Σ |
| 70 C | 18 | 37 | 21 | 5.13 | 2.00 | 5.17 | > | > | > |
| 76 0 | 15 | 94 | 1 | 3.83 | 4.32 | 4.17 | > | > | ^ |
| 76 C | m | 17 | 15 | 4.67 | 3.75 | 4.05 | > | > | > |
| 76 6 | 4 | 25 | 51 | 6.75 | 4.63 | 7.67 | Λ | ^ | - |
| 76 C | - | 27 | - 20 | 24.6 | 7.28 | 09.4 | x | > | ^ |
| 76 | 5 | 30 | 22 | | 90.4 | 2.27 | ^ | ^ | Λ |
| 76 C | 11 | 75 | 45 | 5.18 | 7.05 | 7.33 | x | 2. | > |
| 76 6 | 28 | 95 | 13 | 7.50 | 5.42 | 00.9 | I | > | > |
| 76 0 | 15 | 77 | 12 | .0 | 6.05 | 7.58 | - | I | 1 |
| 2 94 | 11 | 32 | 23 | 0 | 6.75 | 8,33 | _ | > | Δ |
| ر و د | • | 92 | 33 | .0 | 8.07 | 6.80 | - | > | > |
| 76 0 | 82 | 84 | 53 | 0. | 8.02 | 8.13 | × | ^ | > |
| 76 د | 14 | 36 | 32 | .0 | 6.00 | 7.25 | > | > | 2 |
| 76 0 | 12 | 67 | 57 | 90.9 | 26.9 | 9. | × | 2 | > |
| 76 C | 17 | 45 | 0 | 4.67 | 4.33 | 4.17 | > | > | > |
| 9 | 80 | 35 | • | 0.0 | 4.00 | 74.4 | > | > | > |
| 76 C | • | 34 | 53 | .0 | 4.08 | 09.4 | > | > | |
| 10 | 12 | 36 | 30 | 0 | .0 | \$7.5 | > | ^ | > |
| 76 C | 0 | 0, | 0 4 | •0 | 6.17 | 6.33 | > | > | |
| 70 | 18 | 43 | 89 | . 10.7 | 76.7 | | > | Δ | 4 |
| 76 C | 7 | 39 | 43 | 4.97 | 4.83 | 6.58 | > | > | > |
| 300 | 4.1 | - 32 | 19 | 6.17 | 0.0 | 2.47 | - | Α | > |
| J 94 | 19 | 0, | 13 | •0 | 19.9 | 6.92 | - | Σ | |
| 20 01 | 35 | 98 | 6 | .0 | 6.33 | 1.00 | | | > |

15.

| DATE | LINE | . DN | . OF CALLS | 10 | 17 | ENGTH (MINS.) | | WEAT | WEATHER CONDITION | 101. |
|--------|------|------|------------|-------|------|---------------|-------|------|-------------------|-------|
| | | 112 | 187 | 282 | 1112 | 182 | 787 | 112 | 182 | 282 |
| 1 76 | A | 240 | 195 | 135 | 7.43 | 5.92 | 4.20 | | | |
| | 4 | 7.2 | 513 | 43 | 3.67 | | 3.08 | • > | > 3 | > : |
| | ٧ | 4.5 | 110 | 52 | 5.20 | 4.25 | 7.08 | > | • | * 7 |
| | ٧ | . 34 | 87 | 54 | 4.67 | 4.33 | 7.17 | > | > > | > > |
| - | Δ | 28 | 76 | 16 | 6.58 | 2.50 | 6.50 | x | | |
| 1 | 4 | 1.2 | 55 | 70 | 5.75 | 4.75 | 4.67 | . 1 | > 3 | > . |
| 9. | A | 11 | 179 | 112 | 5.45 | 7.00 | 6.80 | > | > 3 | |
| 9 / 9 | ~ | 67 | 214 | 52 | 6.75 | .0 | 00.00 | × | 2 | > > |
| 0 | 4 | 192 | 140 | 105 | 6.67 | 5.25 | 6.75 | Z | | |
| | 4 | 57 | 400 | 77 | 5.80 | 5.33 | 4.42 | > | | > 3 |
| 11 76 | ٨ | 539 | 201 | 357 | 5.55 | 6.95 | 6.25 | > | 2 | A (2) |
| | Δ. | 35 | 26 | - 72 | 4.63 | 0. | 6.50 | > | | |
| | 4 | 112 | 153 | 63 | 4.57 | 5.00 | 5.33 | > | - 1 | 10 |
| | 4 . | 26 | 157 | 164 | 4.28 | 00.9 | 7.17 | > | > | . > |
| | 4 | 9 | 67 | 9 | 4.37 | 4.67 | 4.15 | ۸ | 1/1 | 72 |
| 0 1 | V | 36 | 239 | 127 | 7.70 | 7.50 | 7.75 | > | . 3 | |
| | ಶ | 79 | 196 | 2.2 | 7.08 | 24.4 | 4.83 | 2 | | • 12 |
| | ٧ | 30 | 52 | 80 | 3.67 | 4.08 | 3.83 | > | | |
| | 4 | 1.08 | 55 | 34 | 3.87 | 3,42 | 3.92 | ^ | | |
| | ٧. | 31 | 52 | 76 | 4.50 | 3.62 | 3.50 | > | | . 2 |
| 1 / 10 | N . | 250 | 104 | 5.00 | 4.25 | .0 | 7.08 | Δ | - 1 | |
| | 4 | 5 | 119 | 20 | 5.08 | 4.92 | 4.28 | > | 0 | |
| | α. | 79 | 187 | 115 | 5.75 | 0. | 5.67 | Δ | n. | |
| | ٨ | 16 | 215 | 32 | .0 | 4.83 | 4.08 | | | + 5 |
| | A | 35 | 5.8 | 1.1 | 3.58 | 2.75 | 2.17 | . A | - 11 | |
| | Δ | 15 | 47 | 4.1 | 2.32 | 4.17 | | - > | | |
| | A | 53 | 126 | 7.8 | 5.33 | 4.25 | 9.67 | . > | | > ; |
| | -1 | 17 | 15.00 | 68 | 5.17 | 3.25 | 3.08 | × | > : | > : |
| | м | 56 | 158 | 080 | 7.00 | 7.17 | | | | |
| | ٧ | 68 | 172 | 122 | 6.73 | 4.57 | | - 3 | | - |
| | | | | 2 5 4 | 2 | 0.0 | | E | | |

| | | | | 4 | TMAS DAT | PATWAS DATA REDUCTION | Z | | | | 1 | |
|---|------------|-----|--------|----------|----------|-----------------------|----------------|------|-----|---------------|-----|---|
| 9740 | 11.11 | z | ND. DP | DE CALLS | | LE | LENGTH (MINS) | - | 3 | WEATHER CONG. | | |
| 1 | | 112 | - | 182 | 232 | 7:: | | 755 | 117 | 17.2 | 232 | |
| | | 4 | ĺ | 0 | ., | 13.5 | 80. | 4.53 | 1 | > | > | |
| | | 2 0 | • | 0 | 103 | 57. | • | 7.33 | > | > | > | |
| 1 | | 1 1 | | . 1 | 13 | | 00.0 | 7.83 | > | > | > | |
| 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | n a | 7. | | | . 10 | 7.08 | œ) • u\ | 8,67 | > | ^ | > | |
| | | 71 | | . 49 | - | 6.43 | . 83 | 5.53 | 7 | > | > | |
| | | , , | | | | a c | 5.67 | 5.17 | Σ | > | > | |
| 0 / 1 | re | * | | 67 | 26 | . 78 | 80. | 9.12 | ^ | 5. | > | |
| , | | 0 0 | | ,, | | 1.11 | | 4.67 | Σ | Σ. | > | |
| | | 200 | | - 7 | 100 | a | 6.83 | 7.37 | I | ^ | > | |
| , | | 5.5 | | 10 | 7 . | 20. | 5.75 | 6.25 | > | > | > | |
| | c | 51 | - | | • • | | 1 1 2 | 6 83 | > | > | ^ | |
| | | 3.4 | | | 67 | 0.0 | | 24.0 | > | . > | > | |
| | | 13 | | 2.5 | 27 | 0.17 | | | | | 7 | |
| | | 10 | | 53 | 53 | 6.67 | 7.83 | 26.6 | > : | ٤: | > 3 | |
| - | | 21 | | 61 | 27 | 7.52 | 6.55 | 7.33 | > | > | > : | |
| | | - | | 17 | 3.0 | 6.53 | 80.5 | 5.17 | > | > | > | |
| | | | | 121 | 07. | 7.62 | 8.42 | 7.08 | > | x | | 1 |
| - | | - | - | 70 | 11 | 6.58 | 6.25 | 24.9 | 1 | > | > | |
| 1 | | 4 0 | | 24 | . 00 | 3.92 | 4.08 | 4.58 | > | > | > | |
| 9 | | 0 - | | | , , | 4.25 | 4.00 | 4.25 | > | ۸ | > | |
| 1 14 | c n | 4 4 | | 4 0 | . 80 | 5.67 | 96.7 | 6.95 | > | 2 | > | |
| 1 60 | | 75 | | 24 | 32 | 0 | • | 7.38 | > | 5. | > | |
| 127 | | | | | | 5.55 | 4.50 | 4.53 | > | > | ^ | |
| 1 77 / | - | | - | 0 41 | 11 | 5.78 | 0 | 6.50 | > | - | | |
| 1 53 / | | 100 | | 000 | 10 | | 5.27 | 6.83 | | 2 | | |
| 57 / | | 2.7 | | ,, | | 4.17 | 2.88 | 2.22 | > | ۸ | | |
| | | 1 | | 0 | | 57.0 | 88. 7 | 0 | > | > | > | |
| 97 / | | | | | 1 4 | 1 2 2 | 7.25 | 8.08 | > | > | ٨ | |
| 1 22 1 | | 27 | | 0 | 9 0 | | 000 | 3.33 | Σ | > | , | |
| 7 82 | | 77 | | 0 | 0 (| | | 1 28 | | | | |
| 67 | | 28 | | 9 | 75 | 60.0 | 90. | | . 1 | . > | | |
| 1 30 / | | 25 | | 124 | 6.9 | 87.0 | 0.00 | | . 2 | Λ. | | |
| 1 3. / | | 70 | | 99 | 14 | 7.25 | 0.37 | 74.0 | | | | |
| | | | | | | | | | | | | |
| 1.4.1.1.00 | | | | | | | | | | | | |
| | | | | | | | | | | | | 1 |
| - | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| | u Z | | NO. OF CALLS | | - LE | LENGTH (MINS.) | | WEAT | WEATHER CONDITION | 1001 |
|-------------|-------|------|--------------|------|--------|----------------|------|------|-------------------|------|
| 3740 | 71145 | | | | | | | | . 0.1 | 237 |
| | | 112 | 187 | 282 | 112 | 187 | 232 | 711 | 791 | 101 |
| 1 | | | | 21 | 8.92 | 5.25 | 4.97 | 1 | > | > : |
| 7 / 1 16 | ۰ | * | | 1 | 80.4 | .0 | 3.75 | > | > | > |
| 7/3/76 | ٠ | 1 | | 1 | | 5.50 | 6,92 | > | > | > |
| | ن | | 7 | | 200 | 1. 67 | 6.50 | > | > | > |
| | U | 0 | 77 | 1 | 0.0 | 20.5 | 27.4 | 1 | > | |
| | | 11 | 30 | 11 | 6.33 | 5.12 | 21.0 | . 1 | | . // |
| | , . | | 24 | 18 | 5.67 | 2.00 | | E | > 1 | 14 |
| | , | 2 - | 1.7 | 34 | 6.08 | 6.67 | 8.63 | > | | > > |
| | ی ر | 7 . | 104 | 1.5 | 7.25 | .0 | 9.28 | Σ | | |
| | ٠ | - 1 | 200 | 40 | 6.83 | 5.55 | 7.28 | Σ | 7 | |
| | 0 | 9 | n . | 2 2 | 9 | 8.58 | 6.08 | > | 15 | 7 |
| | ٥ | 10 | 18 | | 000 | 12. 3.4 | 7 25 | > | | |
| 7 / 11 / 76 | U | 19 | 16 | 101 | 87.8 | | | > | ^ | > |
| | | 53 | 04 | 73 | 6 . 83 | .0 | 0 | | | |
| 21 | | 1 10 | 75 | 36 | 7.17 | 7.00 | 00.9 | > : | E . | |
| | | 10 | 67 | 21 | 6.88 | 8.33 | 6.33 | > : | > : | |
| 0 1 | 0 | 0 | 1.7 | 32 | 7.75 | 5.17 | 5.50 | > | > : | |
| 7 15 70 | 21 | | 0 | 64 | 7.38 | 7.58 | 7.33 | > | | |
| 1 10 10 | 4 | 2 6 | · · · | 7 | 6.50 | 4.75 | 6.17 | Σ | > | |
| 7 / 17 / 76 | 01 | 75 | 0 0 | - | 4.17 | .0 | 5.08 | > | > | > |
| 7 / 18 / 76 | ٥ | 0.4 | 23 | - a | · | 4.08 | 3.83 | > | > | _ |
| 7 / 19 / 76 | 0 | * | 17 | 200 | 5.25 | 3.73 | 5.83 | > | > | > |
| 7 / 27 / 76 | | 40 | 200 | 200 | 7.00 | .0 | .0 | > | | > |
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| | U) | 67 | 2 4 | 1 10 | 6.83 | .0 | 8.25 | > | 2 | - : |
| 7 / 23 / 76 | U | 07 | 0 . | 0 | | 5.33 | 6.08 | | > | > |
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| | | 0 0 | 0.4 | 17 | 6.17 | 7.28 | 00.0 | > : | > 1 | |
| - | 21 | 1 0 | 200 | 17 | 6.08 | 3.17 | 3.47 | Σ | | |
| 1 23 76 | | | N U | 34 | 7.58 | 7.58 | 7.37 | | | : |
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|--|------|------|------|------|--------------|----------|-------|---------------|-------|------------|-------------------|-----|
| 100 | | | | 112 | 187 | 124 | 171 | 16. | 752 | 111 | 162 | 232 |
| 10 10 10 10 10 10 10 10 | 00 | ~ | 4 | 81 | 152 | 177 | 3 | 0 ° | 3.55 | Λ | > | > |
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| 20 | 00 | | Ф | 14 | , v | 3.7 | 1000 | 4.45 | 3.73 | >> | . > | > > |
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| ## 1 1 1 1 1 1 1 1 1 1 | n a | 4 | < < | 128 | 7 4 | 500 | 5.73 | 2.47 | 6.83 | | >: | 7 |
| 11/10 | au | | 1 4 | 7.7 | 1,40 | 000 | 20.4 | 3.97 | 7.37 | EX | > 3 | > 2 |
| ## 115 / 15 | 100 | | ٧ | 121 | 7 | 26 | | 4.03 | 0.00 | . > | E : | |
| 8 1 16 7 0 | 83 | - | ٧ | 81 | 516 | t 3 | 5.50 | 09.4 | | | . > | . 2 |
| 8 7 19 70 A 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 80 | ~ | ٧ | 41 | 29 | 5.5 | 5.75 | 4.58 | | | > | > |
| 8 7 20 70 A 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | 17 | A | 54 | ic. | 34 | 0 | 3.50 | 4.38 | ٨ | Λ | Δ |
| 86 / 20 / 70 | ω, | 18 | V | 18 | , | 38 | 3.55 | 19.7 | 4.45 | | > | > |
| 8 / 22 / 70 | 03 (| 6 | 7 | 17 | C | 36 | . 0 | 0 | 2.7. | > | > | Λ |
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| 7.25 76 A 16 10 10 10 10 10 10 10 10 10 10 10 10 10 | | 22 | 1 < | 3 6 | | 1,1 | 00.00 | 2.58 | 57.1 | > 1 | > > | > : |
| 7.25 70 | - 1 | 7 52 | V | 26 | | 0- | 5.13 | | 33 | > | > 0 | > 1 |
| 7.25 70 A 42 151 109 4.53 4.83 4.80 M 7.27 70 A 42 151 109 4.55 5.07 8.42 II II V 83 7.05 A 7 | | 24 / | | 10 | 2.2 | 151 | 50.0 | 3.42 | 3.48 | > | >> | > |
| 727 76 A 84 142 129 6.50 8.42 II 727 76 A 84 142 122 0.00 M 727 76 A 186 148 05 5.03 0.00 M 730 76 A 188 148 05 5.03 0.00 0.00 V 730 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 37 0.00 0.00 V 731 76 A 188 150 0.00 0.00 V 732 76 A 188 150 0.00 0.00 V 733 76 A 188 150 0.00 0.00 V 734 76 A 188 150 0.00 0.00 V 735 76 A 188 150 0.00 V 755 76 A 188 150 0 | | 52 | < | 56 | 6.6 | 50 | .03 | 4.83 | 6.80 | Σ | . 1. | > |
| 23 76 A 186 148 61 5.03 6.29 5.07 H V V V V V V V V V V V V V V V V V V | | 50 | ct « | 7 10 | | 100 | 4.50 | 2.07 | 8.42 | - : | - | Σ. |
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| 25. 25. 25. 25. 25. 25. 25. 25. 25. 25. | . 1 | | | 00- | 200 | 100 | | | 67:40 | - > | > 3 | > 5 |
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| 707 | 711 767 | 701 | 767 | 112 | 182 232 |
|-----|---------|------|------|-----|---------|
| 72 | | 5.67 | 5.67 | > | > |
| 53 | | 5.52 | 5,63 | > | > |
| 56 | 32 4.25 | 5.50 | 5.17 | > | > |
| 33 | | 5.33 | 4.05 | > | |
| 01 | | 4.85 | 5.20 | > | > |
| 68 | | 7.92 | 7.08 | > | |
| 54 | | 5.75 | 6.42 | - | ^ |
| 24 | | 6.67 | 7.25 | 1 | 2 |
| 132 | | 6.32 | .0 | | |
| 51 | | 8.20 | 8.28 | I | > |
| 56 | | 3.87 | 7.83 | > | > |
| 47 | | .0 | 6.62 | Σ | |
| 109 | | 5.33 | 7,33 | 2 | 2. |
| 54 | | 4.55 | 9.17 | > | > |
| 4 | | 6.18 | 9.50 | × | 2 |
| 7,7 | | 5.92 | 4.92 | > | > |
| 53 | | 4.72 | 5,42 | ٨ | A |
| 23 | | 4,83 | 5,33 | > | > |
| 62 | | .0 | 4.27 | > | Λ |
| 33 | | .0 | 4.92 | > | ^ |
| 95 | | 3.17 | 4.80 | > | 2 |
| 55 | | 3.58 | 5,58 | Σ | > |
| 0- | | 0. | 4.80 | ٨ | Λ |
| 34 | | 4.75 | 4.83 | > | > |
| 51 | | 00.9 | 6.07 | Σ | Λ |
| 4 | | 6.38 | 6.00 | 1 | Σ. |
| 58 | | .0 | 8,50 | Σ | 1 |
| 90 | 20 6.78 | 5.50 | 6,33 | Σ | |
| 77 | | 0. | 0. | | A |
| 0- | | .0 | 0. | > | . ^ |
| 20 | | 0. | .0 | > | Λ |

| 112 182 183 184 185 | CATE LINE | | MO. OF CALLS | S | | TOWN TO THE PERSON OF THE PERS | 1 1 1 | | | |
|--|--|-----|--------------|------|------|--|--|--------|-------------|-----|
| 12 | | | | | | NIE LIONA | | WEATH. | NOILI DO NE | |
| 22 | | 112 | 187 | 282 | 112 | 187 | 787 | | 182 | 232 |
| 1 1 1 1 1 1 1 1 1 1 | 9 7 7 6 | 22 | 1,1 | 3 | •0 | 0 | 4.25 | | | |
| 1 | 1 3 / 76 | 17 | 53 | 20 | 5.50 | 5.17 | 5.42 | . > | > 3 | |
| 11 | 1 4 / 76 | | 35 | 7 | 5.17 | 4.25 | 4.75 | . > | > 2 | |
| 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 1 5 , 76 | | 77 | 80 | 5.15 | 3.92 | 3.82 | > | • | |
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| ## 170 | | 0 0 | 77 | 20 | 0.03 | 6.75 | 6.25 | . ~ | > . | |
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| 88 / 25 / 75 C C C C C C C C C C C C C C C C C C | | 4 | 32 | 15 | 5.57 | 5.38 | 5.45 | - 3 | - | |
| ## 15 76 6 6 15 3 2 8 8 2 5 6 0 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 10 | 0 | 61 | | 6.13 | 2.83 | 7 50 | | ^ | |
| 88 / 25 / 70 C C C C C C C C C C C C C C C C C C | 1 | m | 38 | 52 - | 6.03 | | 2 10 10 10 10 10 10 10 10 10 10 10 10 10 | * : | > | |
| 8 / 25 / 75 C C | 1 64 | 1.5 | 1.5 | 23 | 4.78 | 2 17 | 000 | Ε: | > | |
| 8 / 25 / 75 / 76 / 76 / 76 / 76 / 76 / 76 / 7 | , | 23 | 32 | 0 | | 300 | 00. | Σ | 2 | |
| 8 / 25 / 76 | 1 15 | 13 | 77 | 13 | | | 00.0 | > | > | |
| 8 / 25 / 15 / 76 C C C C C C C C C C C C C C C C C C | 1 14 | 12 | 3.1 | 10 | | 0.00 | 7.83 | Σ | > | |
| 8 / 22 / 75 C | 111 | 6 | 1.1 | 0 0 | 77. | 74.7 | 4.87 | > | > | |
| 8 / 25 / 75 C | 1 11 | | 4 6 | 0 1 | 0 | 4.53 | 5,45 | > | , | - |
| 8 / 2 / 7 6 | 61/0 | 0 6 | 57 | 12 | 4.53 | 4.85 | 4.09 | . > | ^ | |
| 8 / 25 76 C 15 27 18 5.05 2.03 4.42 8 8 / 25 75 10 10 10 10 10 10 10 10 10 10 10 10 10 | 8 / 20 | 0 . | 13 | 10 | .0 | .0 | 3.37 | . ^ | > | |
| 7.22 76 | | 07 | 53 | 28 | 4.42 | 0 | 4 43 | | > | |
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| 25, 76 C 10 18 12 5.96 4.07 4.75 V 7.75 C 7.75 C 7.75 C 7.75 V 7.75 C 7. | 1 20 | 17 | 50 | 00 | 5.67 | 2 . 2 | 03. | > : | ^ | |
| 26 76 6 10 18 12 5.95 4.07 4.705 V 4.7 | 0 7 7 7 | 7 | 0+ | 0- | 7.33 | 3 | 00. | Σ | > | |
| 25 76 C 7 28 20 8.30 0.0 6.88 M 75 76 C 27 50 8.30 0.0 6.88 M 8.75 76 C 27 50 8.30 0.0 6.88 M 8.75 76 C 28 7.3 7.13 7.42 0.17 M 8.83 M 8.83 7.0 C 28 7.0 C 2.3 0.10 7.0 C 2 | 0) +7 / | 10 | 1.3 | 13 | 300 | | 2.08 | > | Δ | - |
| 7 25 76 C 29 83 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 25 / 76 | 1 | a | | 2.30 | 0.4 | 4.75 | > | N N | |
| 27 27 76 6 27 50 30 0. 5.38 8.75 1. 28 7. 28 7. 28 8.75 1. 28 7. 2 | 1 25 / 76 | 0 | 0 0 | 0 2 | 8.30 | 0 | 6.88 | 2 | | |
| 7 29 70 C 28 43 23 713 4.42 0.17 1 1 2 8.25 0.17 1 1 2 8.25 0.17 1 1 2 8.25 0.17 1 1 2 8.25 0.17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 7 27 / 76 | | 25 | 30 | • 0 | 5.38 | 8.75 | | > : | |
| 7 27 76 C 2 2 7 10 5.67 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 75 76 | 17 | 20 | 39 | .0 | | | . 3 | 2 | |
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| 7 | 1 31 / 76 | | 0 | 0, | 2.67 | .0 | .0 | , | | |
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PATWAS DATA RECUCTION

| | TOTAL | 23688 | 8280 | 5869 | 38953 | | TOTAL | 23688 | 8280 | 6985 | 38953 |
|---|----------|----------------|-------------------|--------------------------|-------|--|-------|----------------|-------------------|--------------------------|-------|
| DNDITION | IFR | 1421 | 453 | 607 | 2283 | PERIDO | 282 | 6642 | 2272 | 2182 | 11096 |
| NUMBER OF CALLS BY ROUTE AND BY WEATHER CONDITION GRAND TOTAL | α u. > Σ | 3662 | 1266 | 496 | 5892 | CATEGORIZED BY ROUTE ANG BY TIME PERIDO
GRAND TCTAL | 192 | 12074 | 4343 | 3318 | 19735 |
| CATEGURIZED BY RO | / F.R | 18605 | 6561 | 5412 | 30178 | CLTEGORIZED B | 112 | 72.55 | 1665 | 1485 | 8122 |
| | | LOCAL NYC AREA | ROUTES NORTHBOUND | ROUTES SOUTH + WESTBOUND | TOTAL | | | LOCAL NYC AREA | ROUTES NORTHBOUND | ROUTES SOUTH + WESTBOUND | TOTAL |
| | | | | | | | | 7- | -16 | | |

WEATHER CONDITION 181 LENGTH (MINS.) PATMAS DATA REDUCTION NO. CF CALLS LINE 7-17

| LINE | NO. OF CALLS | s | LEN | LENGTH (MINS.) | | WEAT | WEATHER CONDITION | TION |
|------|--------------|-----|------|----------------|-----|------|-------------------|------|
| | 112 187 | 282 | 1112 | 182 | 762 | 112 | 182 | 232 |
| | 94 | 20 | | | | | > | 2 |
| | | 33 | | | | . 1 | > > | |
| | 6 22 | 25 | | | | | | |
| | . 30 52 | 50 | | | | . > | > > | > > |
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| | | 30 | | | | >> | > : | > : |
| | | 47 | | | | | • | > : |
| | | 2 | | | | | | |

| DATE | LINE | Z | NO. OF SALLS | s | LEN | LENGTH (MINS.) | • | WEAT | WEATHER CHADITION | NO | - |
|---------|------|-----------|--------------|------|-----|----------------|-------------------|------|-------------------|-----|------------------------------|
| | | 112 | 18: | 232 | 111 | 187 | 7£7 | 711 | 7:1 | 752 | |
| 1 76 | U | 0 | 35 | 54 | | | | 1 | | Σ | |
| 1 76 | v | 19 | 3 | 33 | | | | I | , | > | |
| 1 76 | v | 19 | 27 | 19 | | | | > | ^ | > | |
| 4 / 76 | v | 66 . | 5.5 | 92 | | | | > | > | > | |
| 94 | U | 19 | 13 | 10 | | | - | | ^ | . A | |
| 1 76 | U | 60 | 14 | 11 | | | | > | > | > | |
| 1 | U | 40 | | 12 | | | | ^ | ۸ | > | |
| - | U | 7 | 13 | 11 | | | | I | | ¥ | |
| - | U | 16 | 7 | 226 | | | | ¥. | > | > | |
| - | U | 43 | 4.5 | 176 | | | | > | > | > | |
| 11 / 76 | U | 50 | 4 | 22 | | | The second second | - | ۸ | Δ | |
| 1 | S | 11 | c | . 13 | | | | > | > | > | |
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| 1 | v | 10 | 34 | 41 | | | | - | Λ | Λ | - |
| - | v | 22 | 87 | 36 | | | | x | > | > | |
| - | v | 75 | 99 | 6 | | | | | 2 | | |
| , | U | 18 | 47 | 10 | | | | - | r | > | |
| - | v | 13 | 55 | 22 | | | | - | 2 | > | |
| - | v | 60 | 0,4 | 45 | | | | I | > | > | |
| - | v | • | 6,4 | 34 | | | | + | > | Þ | |
| , | v | 4 | 92 | 54 | | | | I | > | > | |
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| - | U | 80 | 33 | *1 | | | | > | > | ^ | |
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| | 4 | | 20 | 54 | | | | I | A | > | |

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| NO. OF CALL 112 182 194 201 201 201 201 202 203 204 204 204 204 204 204 204 204 204 204 | PATWAS DATA REDUCTION | LENGTH (MINS.) WEATHER CONDITION | 232 112 182 232 112 182 232 | 501 | | 9, | 04 | 33 | 10 | | | 25 | 140 | 97 | > > > | 33 | 32 V | Λ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7. | 21 | 000 | | 38 | , A | 200 | 31 | | > |
|---|-----------------------|----------------------------------|-----------------------------|-----|---|----|------|-----|----|----|----|----|-----|-----|-------|----|------|-----|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|
| 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | PAT | 40. OF CALLS | 182 | 201 | | 14 | 169 | 276 | 76 | 20 | 0- | 69 | 49 | 103 | 76 | 0- | 29 | 111 | 200 | 257 | 122 | 7.5 | 130 | 167 | 95 | 08 | 70 | , | 001 |
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प्रमाप्त्रवयवयवयवयवयवयवयवयवयवयवयवयवयवयवयवयवयवयवय | | | 117 | 39 | 0 | 62 | . 38 | 69 | 65 | 19 | 01 | 45 | 155 | 78 | 31 | 9 | 18 | t t | 7 40 | 83 | 04 | 23 | 77 | 39 | 31 | 35 | 35 | 7, | • |
| | | LINE | | 4 | 4 | A | A | A | 4 | Þ | A | Þ | A | A | 4 | ٨ | ۷. | d < | 1 4 | 4 | A | 4 | 4 | ٩ | 4 | ٩ | 4 | V | 1 |

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WEATHER CONDITION 122 LENGTH (MINS.) PATWAS DATA REDUCTION 117 NO. OF CALLS LINE DATE 7-21

| | | | | | | | | | - | | | | | | | | | | | | | | - | | | | | |
|-----------------------|-------------------|-----|-------|-------|-----|------|-----|-----|-----|-----|--------|--------------|--------|-----------|--------|--------|------|--------|--------|------|--------|--------|-------------|--------|--------|--------|--------|---|
| | ION | 237 | | > | > | > | > | > : | > > | > > | >> | > | ۸ | > : | > > | Δ | > | - | | Λ | > : | > . | > 1 | > | Α | Σ | 2 | |
| | WEATHER CONDITION | 182 | | > | I | > | > : | > : | > > | . > | > | | > | >> | > > | > | Z | Λ | > | >: | > > | > > | > > | > | Λ | > | > | |
| | WEAT | 112 | | > | 1 | > : | >- | •> | > | | ۸ | - | >: | > | > | Λ | > | - | : | > > | > 1 | : > | ^ | > | > | > | > | |
| | | 232 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LENGTH (MINS.) | 182 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PATWAS DATA RECUCTION | LENG | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATMAS DATA | | 232 | 3.2 | 23 | 53 | 11 | • | 2 | 00 | 01 | 17 | | 2 | 80 | 13 | 25 | 37 | , , | - 00 | 18 | 56 | 13 | 11 | 67 | | , | 0 4 | |
| α. | NO. OF CALLS | 187 | 24 | ĭ | 5 7 | 56 | 7.6 | 36 | 23 | , , | 500 | 30 | 19 | 9 | 8 0 | 35 | | 68 | 28 | 59 | 36 | 96 | 21 | 20 | | | 29 | |
| | . DN | 112 | 5 | 0 | 22 | . 14 | 18 | 21 | 0 0 | 2 1 | 55 | 31 | • | 9: | 17 | 27 | 20 | 25 | • | • | 21 | 01 | 10 1 | | 12 | 8 | 10 | |
| | LINE | | v | ۰ | U | ٠ | U | , (| , (| , . | , 0 | U | 0 | ی ر | , . | · U | U | v | v | 0 | ی ر | , . | ں ر | O | v | U | v | |
| | DATE | | / 1 / | 1 2 / | 9 | 5 | 5 | 0 1 | 8 | 6 / | / 10 / | / 11 / | 1 12 / | 1 14 / 76 | / 15 / | / 16 / | 1 11 | / 18 / | / 16 / | 7 50 | 1 22 / | 1 22 / | 1 54 / | 1 52 / | 1 50 / | 1 27 / | / 88 / | |
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WEATHER CONDITION LENGTH (MINS.) PATWAS DATA REDUCTION 7-23

| 0 . OF C.LLS | 7 - MWO - WANAA 4 MWO WO O O O O O O O O O O O O O O O O | אם. מף כיינו | 232 | 55 | • | 7 | 0 | 27.0 | - 5 | 625 | 17 | 10 | in c | | 21 | 1.0 | 0 10 | | 10 | 15 | 1.5 | 30 | 26 | 6. | 01 | 22 | 12 |
|--------------|--|--------------|-----|----|-----|----|----|------|-----|-----|----|----|------|----|----|-----|------|---|----|----|-----|----|----|-----|----|----|----|
| | | | 182 | 67 | 6.8 | 49 | 20 | 30 | 20 | 10 | 72 | 40 | 33 | 12 | 31 | 0.9 | 9 | 1 | 22 | 53 | 34 | 52 | 15 | 000 | 07 | 33 | 12 |

| | | LINE | D. | NO. OF CALLS | | LE | LENGTH (MINS.) | | WEAT | WEATHER CONDITION | |
|--|------|------|------|--------------|------|-----|--|-----|------|-------------------|---|
| 10 | | | 112 | 187 | 762 | 112 | 187 | 252 | 11.7 | 187 | |
| 11 76 | 1 / | 0 | 1 | 44 | 33 | | | | | | |
| 10 70 0 0 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 1 2 | 2 / | 0 | • | 10.0 | | | | | | I | - |
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| 76 | 14 | , . | 0 1 | 77 | 15 | | | | Λ | > | |
| 10 70 | 1 | , , | 15 | 32 | 27 | | | | . > | ^ | |
| 18 76 | | ١ | 0 | 77 | 28 | | | | | > | |
| 19 76 | 101 | U | 53 | 30 | | | | | > | Δ | |
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| 24 77 6 2 24 39 7 7 8 2 2 3 30 2 1 2 2 2 3 30 2 1 2 2 2 3 30 2 1 2 2 2 3 30 2 1 2 2 2 3 30 2 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 23 | 3 | 15 | | 0 4 | | | | > | . > | |
| 25 776 C 23 30 21 12 2 12 2 1 | 24 / | | 27 | | • | | | - | ^ | 2 | |
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| 70 0 12 23 70 0 7 70 0 0 0 7 70 0 0 0 7 70 0 0 0 7 70 | | ٠ د | 17 | 21 | 12 | | | | | | |
| 76 0 12 | | ۰ | 19 | 23 | | , | | | > : | > | |
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| 70 0 | - | | 0 | 21 | 1.1 | | | - | | | |
| , | | | | | 12 | | | | > | . 77 | |
| | | , | , | 34 | • | | | | , | | |

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| AVERAGE
MIN SEC | ٥ | 4 | 54 | 5.5 | 3.8 | 3.5 | 58 | 31 | E | 27 | 32 | 11 | 4 | 5 5 | 38 | 64 | 64 | 35 | 22 | 15 | 1 | 56 | 55 | 57 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AVER
A AVE | 4 | 4 | 4 | 2 | ~ | 2 | 8 | 4 | 9 | e | m | 4 | w | 3 | m | m | 6 | 4 | 4 | 6 | 9 | 4 | 4 | m | |
| MESSAGE
ACTIVITY | 63 | 20 | 26 | 13 | 59 | 36 | 279 | 461 | 580 | 627 | 476 | 463 | 447 | 510 | 996 | \$6\$ | 173 | 108 | 67 | 79 | 4.5 | 63 | 8 4 | 8 4 | |
| SEC | 31 | 18 | 14 | 47 | В | 10 | 90 | 7 | 65 | 53 | 6 7 | 4 | 43 | 75 | 27 | 20 | 61 | 12 | 27 | 4 4 | 59 | 33 | 80 | 25 | |
| AVERAGE
MIN SEC | 6 | 3 | 9 | 2 | 3 | 3 | 3 | 4 | m | 3 | 3 | 9 | 9 | 3 | 9 | 9 | 3 | 8 | . 6 | m | п | 9 | Э | 3 | |
| MESSAGE | 314 | 185 | 118 | 51 | 9 2 | 150 | 728 | 1420 | 1868 | 2348 | 2197 | 1766 | 1581 | 1464 | 1589 | 1652 | 1839 | 1148 | 672 | 555 | 523 | 26S | 627 | 515 | |
| AVERACE
MIN SEC | 23 | 14 | 53 | 47 | 22 | 50 | - | 64 | 44 | - 21 | 11 | 54 | 30 | 33 | 55 | 3 | | 20 | 51 | 53 | 5 | 36 | 16 | 36 | |
| A N N N N N N N N N N N N N N N N N N N | • | • | 2 | • | | 3 | 3 | 4 | 4 | 4 | 4 | | , | , | 3 | 4 | 4 | 3 | 3 | 9 | 4 | 3 | 3 | 3 | |
| MESSAGE
ACTIVITY | 09 | 43 | 30 | 7 | 13 | . 32 | 127 | 861 | 586 | 66 | 122 | 78 | 107 | 102 | 131 | 156 | 443 | 325 | 189 | 150 | 147 | 164 | 171 | 132 | |
| SEC | 38 | 32 | 21 | 12 | 15 | 0 | 4.5 | 17 | 3 | 6, | 47 | 20 | 9 | 45 | 31 | 30 | 8 2 | 52 | 36 | 63 | 43 | 37 | 16 | 53 | 43 |
| AVERAGE
MIN SEC | • | • | • | | | 3 | • | * | • | | 3 | 3 | 9 | 9 | 3 | | 3 | | • | 3 | 3 | | 3 | 3 | 3 |
| MESSAGE
ACTIVITY M | 194 | 878 | 174 | 1.1 | 101 | 218 | 1134 | 2079 | 2734 | 3074 | 2495 | 2307 | 2135 | 2076 | 2286 | 2403 | 2455 | 1581 | 958 | 184 | 715 | 817 | 846 | 569 | 33159 |
| HOURS | 10-00 | 01-05 | 05-03 | 03-04 | 90-50 | 90-50 | 10-90 | 07-08 | 60-80 | 01-60 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 | TOTAL |
| | | | | | | | | | | | | 7 | -26 | | | | | | | | | | | | |

| | LOCAL | SBUTHWEST | NORTHEAST | |
|-------|-------|-----------|------------|--|
| 00-01 | 3 | 2 | 2 | |
| 01-02 | 3 | 2 | 2 | |
| 12-03 | 4 | 2 | 1 | |
| 13-04 | 2 | 1 | 1 | |
| 50-96 | 2 | 1 | | |
| | 3 | 2 | 2 | |
| | 9 | 4 | 9 | |
| 97-08 | 60 | 0 | 4 | |
| 60-80 | 60 | 0 | , | |
| | 0 | 60 | 1 0 | |
| | 80 | 0 | | |
| 11-12 | 80 | 7 | 9 | |
| 12-13 | 4 | 8 | 3 | |
| 13-14 | 7 | 4 | 4 | |
| 14-15 | 60 | 4 | 4 | |
| 13-16 | 60 | 0 | 4 | |
| 14-17 | 7 | 5 | 4 | |
| 13-18 | | in | 4 | |
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QUESTIONNAIRE DATA (INITIAL AND FOLLOW-UP)

The questionnaire data obtained from responses to the initial and follow-up mailings are contained in this section. The material is discussed in volume I.

| CHARACTERIBTIC | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
|---|----------------------------|------------------------------|----------------------------|-------|
| AMBUNT OF INSCRMATION PROVIDED | 207 | 60 | 1822 | 2812 |
| ACCURACY OF INFORMATION PROVIDED | 165 | 1149 | 1157 | 2471 |
| ADEQUACY TO SUPPORT A GO/NO-90 DECISION | 202 | 1887 | 1408 | 2497 |
| YOUR SATISFACTION WITH BRIEFING | . 236 | 474 | 1762 | 2472 |
| DROER IN WHICH INFORMATION IS PRESENTED | 235 | 746 | 1270 | 2452 |
| MESSAGE LENGTH | 312 | 752 | 1375 | 2439 |
| BUALITY OF SPEAKING VOICE | 218 | 1297 | 950 | 2465 |
| AMOUNT OF BACKGROUND BOISE | 223 | 1372 | 678 | 2470 |
| SPEAKING RATE | 182 | 1478 | 808 | 2465 |
| CONNECTED PROMPTLY TO RECORDED MESSAGE | 220 | 1115 | 1130 | 2465 |
| MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM FSS | 53 197 | 440 | 1621 | 2462 |
| MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM FSS | 159 | 866 | 1256 | 2413 |
| EASE OF COMPREHENSION | 197 | 1017 | 1191 | 2465 |
| USEFULINESS OF INFORMATION | 194 | 552 | 1716 | 2462 |
| RESPONSIVE TO YOUR NEEDS | 205 | 592 | 1991 | 2458 |
| PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | 197 | 756 | 1521 | 2474 |
| AMOUNT OF UNNECESSARY INFORMATION PROVIDED | 315 | 1168 | 917 | 2400 |
| TOTAL | 3744 | 15661 | 227.27 | ***** |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY PILOT LICENSE

| | BASIC BETTER | ND SIGNIFICANT | TRIAL BETTER | TOTAL |
|------------------------|----------------------------|---|----------------------------|-------|
| TYPE OF PILOT LICENSE | THAN TRIAL | OIFFERENCE | THAN BASIC | |
| | 377 | 1169 | 1522 | 3068 |
| | 2020 | 2//2 | 12349 | 19622 |
| | 1099 | | 7325 | 13349 |
| | 223 | | 1203 | 1062 |
| | 9719 | 15581 | 22399 | 41699 |
| | COMPARISON BETWEEN | COMPARISON BETWEEN BASIC AND TRIAL PATWAS
Categorized by
Meather Rating | PATWAS | |
| TYPE OF WEATHER RATING | BASIC BETTER
THAN TRIAL | NG SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
| | 1312 | 6378 | 9855 | 17945 |
| | 2407 | 9203 | 12544 | 54154 |
| | 9719 | 15581 | 52399 | 41699 |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATEGORIZED BY
ENGINE LICENSE

| TOTAL | 11483 | 2011 | 28990 | 40673 | | TOTAL | 20172 | 7153 | 6153 | 4078 | 4586 | 41842 |
|----------------|------------------------|------|--------|-------|--|------------------------------|-------|---------|----------|-----------|-------|-------|
| TRIAL BETTER | HAIN BASIL | | 15529 | 21828 | THAS | TRIAL BETTER
THAN BASIC | 10663 | 4037 | 3451 | 2035 | 2251 | 22437 |
| NO SIGNIFICANT | DITTERENTE
4401 | • | 10851 | 15252 | BASIC AND TRIAL PA
FURIZED BY
TING TIME | NO SIGNIFICANT
DIFFERENCE | 7644 | 2555 | 2233 | 1624 | 1605 | 15661 |
| BASIC BETTER | HAM. IR LAL | 684 | 2610 | 1593 | COMPARISON BETWEEN BASIC AND TRIAL PAIWAS CATECORIZED BY FLYING TIME | BASIC BETTER
THAN TRIAL | 1865 | 561 | 697 | 419 | 430 | 3744 |
| | TYPE UP ENGINE LICENSE | | | | | PLYING TIME (HOURS) | | | | | | |
| | | 1.10 | SINGLE | TOTAL | | PLYING | 0-400 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

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|-------------|---|--------|------|--|
| PATER | | | | |
| TRIA | - | | | |
| SNA | | 2 | | |
| AASTC | | DAIZED | 2040 | |
| ZUUZI | | CATEG | | |
| STATE AND T | - | | | |
| | - | | | |

| | TOTAL | 25535 | 14665 | 40200 | | TOTAL | 39342 | 149 | 1633 | 41616 |
|------|------------------------------|-------------|-----------|-------|---|------------------------------|--------|-------|------|-------|
| | TRIAL BETTER
THAN BASIC | 13898 | 7804 | 21702 | ATMAS. | TRIAL BETTER
THAN BASIC | 21277 | 312 | 765 | 22354 |
| 7045 | NO SIGNIFICANT
DIFFERENCE | 9676 | 5476 | 14972 | BASIC AND TRIAL PGORIZED BY | NO SIGNIFICANT
DIFFERENCE | 14596 | .264 | 089 | 15540 |
| | BASIC BETTER
THAN TRIAL | 2141 | 1385 | 1926 | COMPARISON BETWEEN BASIC AND TRIAL PATHAS TYPE OF POWER PLANT MOST FREQUENTLY FLOWN | BASIC BETTER
THAN TRIAL | 3469 | 69 | 188 | 3722 |
| | CAOD | FARMINGDALE | TETERBORD | TOTAL | | TYPE OF POWER PLANT | PISTOB | TURBO | 197 | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE

| COUNTY DE RESTOGNO | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT | TRIAL BETTER
THAN BASIC | TOTAL |
|--|----------------------------|----------------|----------------------------|-------|
| | į | 11.2 | 1854 | 3266 |
| CERNS | 272 | 1130 | 000 | 121 |
| ASSAIC | 136 | 640 | 650 | 101 |
| NAT TAILS | 248 | 996 | 1736 | 2950 |
| | | 543 | 631 | 1484 |
| KOOKE | | 2362 | 3524 | 6387 |
| ASSAU | 111 | 1000 | 21.5 | 707 |
| RONX | 69 | 213 | 613 | 211 |
| UNTERDON | 0 | 2 | 3 | - 1 |
| NOON | 1.7 | 504 | 325 | 576 |
| Na Contract of the Contract of | 206 | 1342 | 2117 | 375 |
| 20000 | ** | 202 | 378 | 614 |
| CHMOND | *** | | 753 | 1323 |
| IDDLESEX | 102 | 100 | | 208 |
| DANDOTA | 502 | 06) . | 0411 | 2 |
| 21880 | 248 | 778 | 1031 | 202 |
| ECTCHECTER | 231 | 1195 | 1624 | 305 |
| STATE OF THE PROPERTY OF THE P | | 272 | 234 | 39 |
| 1 | 423 | 1846 | 2431 | 470 |
| | | 23 | 09 | 80 |
| | 1 | 305 | 384 | 74 |
| 000000 | | 10 | 59 | 17 |
| DARKOE | | -0 | 12 | 18 |
| C C C C C C C C C C C C C C C C C C C | | 74.2 | 176 | 182 |
| X SO | 761 | 718 | 999 | 134 |
| ZDIZ | 163 | 400 | * | 60 |
| USSEX | | 000 | 9 4 | 10 |
| ERCER | | 233 | 410 | 70 |
| COLCHESS | 0 6 | 112 | 118 | 253 |
| JESTER . | 67 | 100 | 21676 | 4016 |
| TOTAL. | 026 | 00447 | 2121 | |

| PATHAS | TRIAL BETTER TOTAL | 14399 27673 | 4675 8403 | 2114 3547 | 636 1159 | 373 607 | 240 453 | 22437 41842 |
|---|------------------------------|-------------|-----------|-----------|----------|---------|---------|-------------|
| GORIZED BY | ND SIGNIFICANT
DIFFERENCE | 10596 | 3025 | 1247 | 428 | 186 | 179 | 19961 |
| COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY DIFFERENT BASIC PATWAS LISTENING | BASIC BETTER
THAN TRIAL | 2678 | 703 | 186 | 56 | • | * | 3744 |
| | NUMBER OF TIMES | 0-20 | 21-50 | 91-100 | 101-200 | 201-400 | +00+ | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY DIPFERENT TRIAL PATWAS LISTENING

| TOTAL | 12644 | 7826 | 8485 | 6661 | 6226 | 41842 |
|------------------------------|-------|------|-------|------|------|---------|
| TRIAL BETTER
THAN BASIC | 5917 | 9607 | 4783 | 3842 | 3799 | 22437 |
| NO SIGNIFICANT
DIFFERENCE | 5239 | 3034 | 3016 | 2357 | 2013 | . 15661 |
| BASIC BETTER
THAN TRIAL | 1488 | 969 | 489 | 795 | 414 | 3744 |
| NUMBER OF TIMES | 6-0 | 6-10 | 11-50 | 017 | • 0 | |

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| TOO MUCH INFORMATION IS PROVIDED NOT ENDUCH INFORMATION IS PROVIDED THE INFORMATION PROVIDED IS ACCURATE THE CONTENT OF THE BRIEFING WAS SATISFACTORY THE ORDER IN WHICH THE INFORMATION IS | 176 | | | | | | | |
|---|------|-------------|-------|-------|------|-------|----|-----|
| IT ENDUCH INFORMATION IS PROVIDED SE INFORMATION, PROVIDED IS ACCURATE SE CONTENT OF THE BRIEFING MAS SATISFACTORY SE ORDER IN WHICH THE INFORMATION IS | | 2368 | 422 | 311 | | 1601 | | |
| HE INFORMATION PROVIDED IS ACCURATE HE CONTENT OF THE BRIEFING WAS SATISFACTORY OF ORDER IN WHICH THE INFORMATION IS | 388 | 1898 | 617 | 818 | 103 | 4021 | | |
| IE CONTENT OF THE BRIEFING MAS SATISFACTORS | 56 | 203 | . 814 | 2833 | 164 | 0404 | | |
| | 53 | 962 | 335 | 3151 | 822 | 4039 | | |
| | • | 566 | 504 | 3074 | 100 | 4072 | 1 | , |
| THE INFORMATION IS SUFFICIENT TO MAKE | 133 | 199 | 191 | 2177 | 358 | 0607 | | |
| THE MESSAGE IS TOO LONG | 564 | 1335 | 762 | 557 | 113 | 4031 | | |
| OF THE HESSAGE IS TOO SHORT | 312 | \$062 | 868 | 391 | 90 | 3955 | | |
| THE SPEAKER IS EASY TO UNDERSTAND | 9.1 | 970 | 337 | 2891 | 904 | 5607 | | |
| THE BACKGROUND NOISE IS SUFFICIENTLY LOW | 112 | 37.5 | 348 | 2933 | 162 | \$90+ | | , : |
| THE SPEAKER TALKED TOO SLOWLY | 343 | 3051 | 455 | 143 | 12 | 4013 | 1 | |
| THE SPEAKER TALKED TOO FAST | 233 | 2550 | 557 | 587 | 6 | 4016 | | |
| THE RECORDED HESSAGE WAS COTAINED | 213 | 647 | 279 | 2579 | 581 | 6607 | i. | |
| PROPPLY AFTER DISCINCT INFORMATION | 37 | 292 | 332 | 3061 | 340 | 0607 | | |
| THE INFORMATION PROVIDES A CLEAR MENTAL | 63 | , 1, | 805 | 2562 | 549 | 6607 | | |
| THE NOTARS AND FLIGHT PRECAUTIONS ARE USEFUL | 23 | * | 310 | 2718 | 076 | 4085 | | , |
| IT IS HELPFUL TO HAVE THE INFORMATION UPDATED HOURLY | 7.2 | 9, | 202 | 1925 | 1915 | 4115 | | |
| TOTAL | 3289 | 17938 | 8638 | 32708 | 409 | 05689 | | |
| TOTAL (TO ALL TRIAL PATMAS STATEMENTS FOR WHICH STRONGLY AGREE - FAVARABLE) | 705 | 3432 | 5027 | 29904 | 5658 | 44823 | | |
| | | | | | | | | |

| TO TRIAL PATHAS STATEMENTS | | | RABLE) |
|----------------------------|-----------|---------------|------------------------------|
| AL PATHAS | ORIZED BY | PILOT LICENSE | (STRUNGLY AGREE . FAVORABLE) |
| IS TO TRI | CATEG | PILO | DNGLY AG |
| REACTIONS | | | STR |

| TYPE OF PILOT LICENSE | DISAGREE | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL | 1 |
|------------------------|----------|---|--|-------|-------------------|-------|---|
| STUDENT | 0, | 315 | 632 | 5749 | 524 | 0624 | |
| PRIVATE | 0,, | 1935 | 2746 | 17078 | 3187 | 25386 | |
| COMMERCIAL | 241 | 616 | 1428 | 8492 | 1677 | 12817 | 1 |
| AIRLINE | 1, | 197 | 212 | 1540 | 564 | 2254 | |
| TOTAL | 792 | 3426 | 5018 | 29859 | 5652 | L4747 | |
| | REACTION | S TO TRIAL PATHAS
CATEGORIZED BY
WEATHER RATING | REACTIONS TO TRIAL PATWAS STATEMENTS
CATEGORIZED BY
WEATHER RATING | 17.5 | | | |
| | (578 | (STRONGLY AGREE . FAVORABLE) | FAVORABLE) | | | | |
| TYPE OF WEATHER RATING | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL | |
| 1FR | 332 | 1366 | 1820 | 11242 | 2059 | 16819 | |
| VFR | 094 | 2060 | 3198 | 18617 | 3593 | 27928 | |
| TOTAL | 792 | 3426 | 5018 | 29859 | 5652 | 44747 | |

| | (578) | CATEGORIZ
ENGINE LI
DNGLY AGREE | CATEGORIZED BY ENGINE LICENSE (STRONCLY AGREE = FAVORABLE) | | | | |
|------------------------|----------|---------------------------------------|--|-------|----------|-------|---|
| TYPE OF ENGINE LICENSE | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL | |
| MULTI | 217 | 937 | 1240 | 7595 | 1374 | 11363 | |
| SINGLE | 547 | 2406 | 3659 | 21570 | 4143 | 32325 | |
| TOTAL | 764 | 3343 | 6687 | 29162 | 5517 | 43688 | |
| | STRONGLY | DISAGREE | LY DISAGREE UNCERTAIN | AGREE | STRONGLY | TOTAL | |
| FLYING TIME (HOURS) | DISAGREE | | | | AGREE | | 4 |
| 0-400 | 435 | 1873 | 2861 | 16187 | 3307 | 24663 | |
| 401-800 | 86 | 485 | 069 | 0657 | 853 | 6716 | |
| 801-1600 | 106 | 474 | 631 | 3739 | 673 | \$623 | k |
| 1601-3200 | 63 | 305 | 413 | 2558 | 354 | 3713 | |
| 3200+ | 0 | 295 | 432 | 2830 | 471 | 4108 | |
| TOTAL | 802 | 3432 | 5027 | 59904 | 5658 | 44823 | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
GADC
(STRONOLY AGREE = FAVORABLE)

| TOTAL | 56940 | 16119 | 48054 | | TOTAL | 45063 | 27.5 | 1683 | 44521 |
|-------------------|-------------|-----------|-------|--|----------------------|--------|-------|------|-------|
| STRDNGLY
AGREE | 3520 | 1945 | 2465 | | STRONGLY | 5322 | 111 | 195 | 5628 |
| AGREE | 18129 | 10645 | 28774 | PLOWN | AGREE | 28081 | 484 | 1125 | 29690 |
| LNCERTAIN | 3008 | 1796 | 4801 | REACTIONS TO IRIAL PAIBAS STAIEMENTS CATEGORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN (STRONGLY AGREE = FAVORABLE) | LNCERTAIN | 7995 | 112 | 220 | 7667 |
| DISAGREE | 1911 | 1354 | 3265 | S TO TRIAL P
CATEGORIZ
WER PLANT MO | DISAGREE | 3253 | 09 | 110 | 3423 |
| STRONGLY | 375 | 379 | 754 | REACTION
TYPE OF PO | STRONGLY
DISAGREE | 745 | 60 | 33 | 786 |
| GADO | FARMINGDALE | TETERBURU | TOTAL | | TYPE OF POWER PLANT | PISTON | TURBO | JET | TOTAL |

| REACTIONS TO TRIAL PATHAS STATEMENTS | IZED BY | DIFFERENT COUNTIES OF RESIDENCE | CATONIC ACORE - FAVORABLE |
|--------------------------------------|---------|---------------------------------|---------------------------|
| TRIAL | TEGOR | CDUNT | ACRE |
| 2 | 3 | 'n | > |
| REACTIONS | | DIFFERE | ACATA) |

V

| TOTAL | 1897 | 1423 | 2982 | 1500 | 6539 | 585 | 75 | 293 | 4241 | 639 | 1417 | 2013 | 5464 | 3275 | 158 | 5127 | 66 | 010 | 216 | 416 | 1989 | 1506 | 16 | 86 | 1000 | 144 | 40064 |
|---------------------|---------------------------------------|--------|----------|---------|-------|------|----------|-------|-------|--------|----------|---------|-------|------------|-------|--------|---------|---------|---------|-------|------|------|-------|----|----------|-------|-------|
| STRONGLY | 465 | 169 | 453 | 189 | 784 | . 65 | 7 | 74 | 477 | 58 | 165 | 242 | 302 | 454 | 98 | 619 | 10 | 106 | 33 | 82 | 287 | 172 | 7 | 14 | 124 | 52 | 5461 |
| AGREE | 1942 | 936 | 1947 | 986 | 4599 | 410 | 30 | 395 | 2857 | 455 | 941 | 1302 | 1690 | 2203 | 519 | 3477 | 82 | 581 | 135 | 564 | 1242 | 1004 | 28 | 52 | 651 | 277 | 28737 |
| LNCERTAIN | 268 | 138 | 324 | 178 | 652 | 55 | • | 63 | 694 | 69 | 149 | 271 | 241 | 354 | 107 | 599 | 2 | 110 | 19 | 39 | 221 | 161 | 7 | 50 | 159 | 94 | 4792 |
| DISAGREE | 188 | 144 | 207 | 132 | 473 | 97 | 1 | 34 | 342 | 20 | 135 | 145 | 199 | 247 | 36 | 358 | 7 | 62 | 25 | 56 | 179 | 111 | - | • | 58 | 25 | 3261 |
| DISAGREE | * | 25 | 51 | 21 | 6 | • | | 1 | 96 | 1 | 27 | 53 | 62 | 47 | 10 | 14 | 0 | 11 | • | • | 9 | 28 | | | | • | 753 |
| COUNTY OF RESIDENCE | S S S S S S S S S S S S S S S S S S S | ASSAIC | ANHATTAN | ROOKLYN | ASSAU | KONX | UNTEROON | NDSON | E CEN | CHMOND | IDDLESEX | DNMOUTH | DARIS | ESTCHESTER | RANGE | UFFOLK | ULLIVAN | DCKLAND | DMERSET | HANLO | X | NOIN | USSEX | | DUTCHESS | LSTER | DTAL |

...

| | D1FR
(STRC | CATEGORIZED BY
FERENT ANNLAL FLYI
DNGLY AGREE = FAVO | CATECORIZED BY DIFFERENT ANNUAL FLYING TIME (STRONGLY AGREE = FAVORABLE) | | | |
|---|---------------|--|--|-------|----------|-------|
| | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
| NUMBER OF LINES | 123 | 452 | 1139 | 1777 | 808 | 1293 |
| 02-0 | 156 | 882 | 1336 | 7661 | 1446 | 11814 |
| 07-17 | 253 | 086 | 1311 | 8590 | 1793 | 12927 |
| 001-16 | 136 | 687 | 683 | 5075 | 457 | 1558 |
| 007-101 | 9 | 242 | 274 | 1969 | 369 | 5054 |
| *************************************** | ; | 189 | 284 | 1505 | 285 | 2307 |
| | 805 | 3432 | 5027 | 50662 | 9698 | 44823 |

| | REACTION
DIFFE
STRE | S TO TRIAL PATWAS CATECORIZED BY RENT BASIC PATWAS | REACTIONS TO TRIAL PATWAS STATEMENTS
CATECORIZED BY
DIFFERENT BASIC PATWAS LISTENING
(STRONGLY AGREE = FAVORABLE) | S + S | | | |
|---------------------------------------|---------------------------|--|--|-------|----------|-------|--|
| S S S S S S S S S S S S S S S S S S S | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL | |
| 0.00 | 614 | 2612 | 4127 | 23357 | 4322 | 35035 | |
| 53-0 | 101 | 507 | 574 | 3888 | 829 | 6686 | |
| | 42 | 198 | 196 | 1648 | 319 | 5403 | |
| 51-100 | | 53 | 7.8 | 530 | 96 | 193 | |
| 101-200 | | 38 | 50 | 772 | 45 | 393 | |
| 201-400 | • | 5. | 23 | 504 | 4.7 | . 303 | |
| +000 | 802 | 3432 | 5027 | 70667 | 5658 | 44823 | |
| 7.0 | | | | | | | |

| STATEMENTS | CATEGORIZED BY DIFFERENT TRIAL PATHAS LISTENING (STRONGLY AGRÉE = FAVORABLE) |
|------------|--|
| PATHAS | ZED BY |
| TRIAL | ATECOR! |
| 2 | Z |
| REACTIONS | OIFFER (STRON |

| NUMBER OF TIMES DISAGREE | 273 | 139 | 195 | 106 | • | 802 |
|--------------------------|-------|------|------|------|------|-------|
| DISAGREE | 1137 | 999 | 744 | 0++ | 423 | 3432 |
| LNCERTAIN | 1531 | 2775 | 197 | 765 | 432 | 5027 |
| AGREE | 9965 | 9009 | 9029 | 4193 | 3537 | 29904 |
| STRONGLY | 1645 | 1055 | 1098 | 606 | 156 | 5658 |
| TOTAL | 19540 | 1663 | 0700 | 6140 | 8432 | 44823 |

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| NOT ENGUGH INFORMATION IS PROVIDED | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL | |
|------------------------------------|------------------|------------------------------------|-------------|-------------------------|-------------------------------|-------|--|
| | | 103 | 54 | 39 | 15 | 386 | |
| STRONGLY DISACREE | 502 | 1240 | 108 | 217 | = | 1001 | |
| DISAGREE | 9 1 3 | 420 | 234 | 14 | _ | 010 | |
| CNCERTAIN | | 547 | 47 | 18 | 2 | 900 | |
| AGREE | 361 | 20 | 2 | 4 | • | 101 | |
| TOTAL | 166 | 2330 | 415 | 292 | 35 | 6004 | |
| | | 1000 | STABONDENTS | | | | |
| | COLD REACTORS OF | TOWN OF BEE | | | | | |
| | | | THE MESS | THE MESSAGE IS TOO LONG | LONG | | |
| | | | | | | | |
| | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL | |
| THE MESSAGE IS THE SHEET | | | | 43 | 36 | 310 | |
| STRONGLY DISAGREE | 135 | 25 | | 407 | 33 | 2295 | |
| | 38 | 101 | 24.4 | 9 | 7 | 260 | |
| UNCERTAIN | 0.0 | 335 | 97 | 13 | | 385 | |
| AGREE | 67 | | | 1 | • | 00 | |
| STRONGLY AGREE | 262 | 2301 | 748 | 524 | 44 | 3932 | |
| | | | | | | | |
| | | | | | | | |
| | JOINT REAC | JOINT REACTIONS OF ALL RESPONDENTS | RESPONDENTS | | | | |
| | | | THE SPEA | KER TALKED | THE SPEAKER TALKED TOO SLOWLY | | |
| | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL | |
| THE SPEAKER TALKED TOO FAST | DISAGREE | | | | 1 | | |
| | | 33 | 3 | 11 | 10 | 556 | |
| STRONGLY DISAGREE | 163 | 2359 | 1, | 16 | s c | 2535 | |
| CNORPAR | 15 | 147 | 387 | v ō | o | 268 | |
| AGRE | 28 | 470 | 200 | ,, | | 78 | |
| STRUNGLY AGREE | 57 | 16.00 | J (U , | 7 00 - | 20 | 2070 | |

| | | • | 2 | | TOTAL NO. | 3013 | 1961 | 7507 | | | | |
|---|-------------------|------------------------|------------------|----------------------------------|-----------|------------------------|-----------------------|-------|--|---|---|--|
| ATION | TOTAL | 960+ | 3412 | | MORE THAN | 61 | 90 | 16 | | | | |
| CONFACT OF THE FSS FOR ADDITIONAL INFORMATION AFTER LISTENING TO THE TRIAL PATHAS | FSS CONTACTED YES | 3013 | 1841 | NTACTS WHEN MADE | BETWEEN 6 | 115 | 19 | 134 | | • | | |
| AFTER LISTENING TO | NO AS | 1083 | 1571 | LENGTH OF FSS CONTACTS WHEN MADE | DETWEEN 1 | 2179 | 199 | 2846 | | | | |
| CONFA | | CONTACT | ESS CONTACT | | LESS THAN | 869 | 1125 | 1783 | | | • | |
| | | PRE-FLIGHT FSS CONTACT | IN-FLIGHT ESS CI | | | PRE-FLIGHT FSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL | | | | |

| - | PATWAS | |
|---|----------------------|--------|
| - | TRIAL | |
| - | AND | - 5 4 |
| | BASIC | CENTAC |
| | ON BETWEEN BASIC AND | -050 |
| | COMPARISON | |

| AMOUNT OF INFORMATION PROVIDED ACCUMENCY TO SUPPORT A GOANO-GO DECISION FESSAGE LENGTH ACCUMENCY TO SUPPORT A GOANO-GO DECISION FESSAGE LENGTH ACCUMENT OF SPEAKING VOICE AND HESSAGE LENGTH ACCUMENT OF SPEAKING VOICE ADMINITIZES ADDITIONAL PRECIDENCE DISSAGE AND HESSAGE LENGTH ACCUMENT OF SPEAKING VOICE CONNECTED PROMPTLY TO RECORDED MESSAGE MINIMIZES ADDITIONAL PRECIDENT INFORMATION FROM FSS EASE OF COMPREHENSION USEFULLINESS OF INFORMATION FROM FSS BARD USE OF CHERRHANION RESPONSIVE TO YOUR NEOS PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER TO ADDITIONAL PICTURE OF THE WEATHER TO ADDIT O | CHARACTERISTIC | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL | |
|--|--|----------------------------|------------------------------|----------------------------|--------|---|
| 11.43 16.04 72.53 100.00 | AMDUNT OF TAXABLE OF T | ; | | | • | |
| OUTDED 6.68 46.50 46.82 100,00 0-GO DECISION 8.09 35.52 56.39 100,00 15 PRESENTED 9.58 19.17 71.28 100,00 IS PRESENTED 9.58 30.83 56.38 100,00 IS PRESENTED 12.79 30.83 56.38 100,00 IS PRESENTED 12.79 30.83 56.38 100,00 IOTO MATERIAL DIANA FROM FSS 8.03 55.55 35.43 100,00 IOTO MATERIAL DIANA FROM FSS 8.05 45.23 45.84 100,00 INTINFORMATION FROM FSS 8.05 41.36 52.05 100,00 INTINFORMATION FROM FSS 6.59 41.36 52.05 100,00 INTO TOR 8.34 22.42 69.70 100,00 INTO TOR 8.34 24.08 67.58 100,00 INTO TOR 8.35 30.56 61.48 100,00 INTO TOR 8.35 37.43 53.42 100,00 INTO TOR | | 11.43 | 16.04 | 72.53 | 100.00 | |
| Section | ACCURACY OF INFORMATION PROVIDED | 89.9 | 46.50 | 46.82 | 100.00 | |
| FFING IS PRESENTED 15 -78 19.17 11.28 100.00 12.79 30.83 38.62 1100.00 12.79 30.83 100.00 12.79 30.83 100.00 9.68 9.63 9.63 9.63 100.00 | | 60.0 | 35.52 | 56.39 | 00 | |
| 15 PRESENTED 12.79 30.83 54.38 100.00 9.84 52.62 38.54 100.00 9.84 52.62 38.54 100.00 7.38 8.03 55.55 35.43 100.00 7.38 8.03 45.23 45.84 100.00 7.99 41.36 52.42 69.70 100.00 7.99 43.69 7.99 43.69 7.99 43.69 7.99 43.69 7.99 43.69 7.99 43.69 7.99 7.88 7.96 8.30 7.99 7.99 7.99 7.90 8.34 7.90 8.35 7.90 8.36 7.90 8.36 7.90 8.36 7.90 8.37 7.00 8.37 7.00 8.37 | | 9.55 | 19.17 | 71.28 | 00.00 | |
| 12.79 9.63 9.63 9.63 9.63 9.63 9.63 9.63 9.63 9.00 100.00 7.38 8.00 26.16 65.84 100.00 100.00 HT INFORMATION FROM FSS 8.00 6.59 41.36 52.42 69.70 100.00 7.88 8.34 24.08 67.58 100.00 MATION PROVIDED 13.13 48.65 30.43 54.36 100.00 13.13 48.67 100.00 | ORDER IN WHICH INFORMATION IS PRESENTED | 9.58 | 38.62 | 51.79 | 00:001 | |
| 10ED MESSAGE 10ED | MESSAGE LENGTH | 12.79 | 30.83 | 56.38 | 0000 | |
| 9.C3 55.55 35.43 100.00 7.38 59.96 32.66 100.00 100.00 8.02 45.23 45.84 100.00 HT INFORMATION FROM FSS 6.59 41.36 52.05 100.00 7.99 43.69 44.32 100.00 7.88 22.42 69.70 100.00 7.08 6.34 24.08 67.58 100.00 MATION PROVIDED 13.13 48.67 38.21 100.00 | QUALITY OF SPEAKING VOICE | 9.8 | 52.62 | 38.54 | 00.001 | |
| 1.38 59.96 32.66 100.00 | O AMOUNT OF BACKGROUND NOISE | 9.03 | 55.55 | 35.43 | 00.001 | |
| 8.92 45.23 45.84 100.00 8.00 26.16 65.84 100.00 7.99 43.69 48.32 100.00 7.88 22.42 69.70 100.00 8.34 24.08 67.58 100.00 13.13 48.67 38.51 100.00 8.95 37.43 53.42 | SPEAKING RATE | 7.38 | 59.96 | 32.66 | | |
| FSS 8.C0 26.16 65.84
FSS 6.59 41.36 52.05
7.99 43.69 48.32
7.88 22.42 69.70
8.34 24.08 67.58
13.13 48.67 38.21 | CONNECTED PROMPTLY TO RECORDED MESSAGE | 8.92 | 45.23 | 30 4 | | |
| FSS 6.59 41.36 52.05
7.99 43.69 48.32
7.88 22.42 69.70
8.34 24.08 67.58
7.96 30.56 61.48
13.13 48.67 38.21 | MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM ECC | | | ***** | 00.001 | |
| FSS 6.59 41.36 52.05
7.88 22.42 69.70
8.34 24.08 67.58
7.56 30.56 61.48
13.13 48.67 38.21 | | | 56.16 | 65.84 | 100.00 | |
| 7.88 22.42 69.70
8.34 24.08 67.58
7.96 30.56 61.48
13.13 48.67 38.21 | MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM FSS | 6.59 | 41.36 | 52.05 | 100.00 | |
| 7.88 22.42 69.70
8.34 24.08 67.58
7.96 30.56 61.48
13.13 48.67 38.21 | EASE OF COMPREHENSION | 1.99 | 43.69 | 48.32 | 100.00 | |
| 8.34 24.08 67.58
7.56 30.56 61.48
13.13 48.67 38.21
8.95 37.43 53.42 | USEFULLNESS OF INFORMATION | 7.88 | 22.42 | 69.70 | 00 001 | Ì |
| 7,56 30,56 61,48 13,13 48,67 38,21 8,55 53,43 53,42 | RESPONSIVE TO YOUR NEEDS | 8.34 | 24.08 | 67.50 | 00.001 | |
| INFORMATION PROVIDED 13.13 48.67 38.21 8.52 | PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | 7,96 | 30.56 | | 20.001 | |
| 8.95 37,43 53.42 | | 13.13 | 48.67 | 38.21 | 00.001 | |
| | TOTAL | 8.95 | 37.43 | 53.63 | 0000 | |

| | | | | TOTAL | 100.00 | 100,00 | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 |
|--|--|---|--|------------------------------|---------|---------|------------|---------|--------|--|------------------------------|--------|--------|--------|
| | | | TWAS | TRIAL BETTER
THAN BASIC | 49.61 | 53.74 | 54.87 | 52.28 | 53.72 | TWAS | TRIAL BETTER
THAN BASIC | 56.17 | 51.93 | 53.72 |
| | | Total Control of the | BASIC AND TRIAL PATWAS
CORIZED BY
37 LICENSE
CENTAGES- | ND SIGNIFICANT
DIFFERENCE | 36.10 | 72.57 | 36.89 | 38.03 | 37.37 | BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY MEATHER RATING -PERCENTAGES- | ND SIGNIFICANT
DIFFERENCE | 36.35 | 38.10 | 75.75 |
| and the same of th | | | COMPARISON BETWEEN BASIC AND
CATEGORIZED BY
PILOT LICENSE
-PERCENTAGES- | BASIC BETTER
THAN TRIAL | 12.29 | 6.19 | 1.23 | 69.6 | ₹.92 | COMPARISON BETWEEN
CATE
WEAT | BASIC BETTER
THAN TRIAL | 7.48 | 4.67 | 1.92 |
| | | | 4 | ILOT LICENSE | | | | | | S | EATHER RATING | | | |
| | | | | TYPE OF PILOT | STUDENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL | | TYPE OF WEATH | F. | 847 | TOTAL |
| | | | | | | | | | | 8-19 | | | | |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
ENGINE LICENSE
-PERCENTAGES-

| , , , , , , , , , , , , , , , , , , , | 00 | 00 | 00 | | | 00 | 00 | 00 | 00 | 00 | 00 |
|---------------------------------------|--------|--------|--------|--|------------------------------|--------|---------|----------|-----------|--------|--------|
| TOTAL | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100,00 | 100.00 | 100.00 |
| TRIAL BETTER
THAN BASIC | 53.92 | 53.57 | 53.67 | TWAS | TRIAL BETTER
THAN BASIC | 52.86 | 56.44 | 56.09 | 06.65 | 52.52 | 53.62 |
| ND SIGNIFICANT
DIFFERENCE | 37.67 | 37.43 | 37.50 | WEEN BASIC AND TRIAL PA
CATEGRAIZED BY
FLVING 71ME
-PERCENTAGES- | NO SIGNIFICANT
DIFFERENCE | 37.89 | 35.72 | 36.29 | 39.82 | 37,45 | 37.43 |
| BASIC BETTER
THAN TRIAL | | 00.0 | 1.63 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY FLYING 71HE -PERCENTAGES- | BASIC BETTER
THAN TRIAL | 9.25 | 7.84 | 7.62 | 10.27 | 10.03 | 8.95 |
| TYPE OF ENGINE LICENSE | MULTI | SINGLE | TOTAL | | FLYING TIME(HOURS) | 004-0 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATECORIZED BY
-PERCENTAGES-

| TOTAL | 100.00 | | TOTAL | 100.00 | 100.00 |
|------------------------------|-----------------------------------|--|------------------------------|--------|-----------------------|
| TRIAL BETTER
THAN BASIC | 54.43 | FLOWN | TRIAL BETTER
THAN BASIC | 54.08 | 53.71 |
| NO SIGNIEICANT
DIFFERENCE | 37.19
37.34
37.24 | EEN BASIC AND TRIAL PA
ATEGORIZED BY
PLANT MOST FREQUENTLY
-PERCENTAGES- | NO SIGNIFICANT
DIFFERENCE | 37.10 | 41.64 |
| BASIC BETTER
THAN TRIAL | 8.38
9.44
8.77 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN -PERCENTAGES- | BASIC BETTER
THAN TRIAL | 9.82 | 11.51 |
| 0400 | FARHINGDALE
Teterbord
Total | | TYPE OF POWER PLANT | PISTON | TURBO
JET
TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE
-PERCENTAGES-

| TOTAL | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 000 | 000 | 00.00 | 100.00 | 100.00 | 100.00 | 00000 | | 00.001 | 00.001 | 100.00 | 100.00 | 100.00 | | 000 | 100.00 | 100.00 | 100.00 | 100.00 | 000 | 000 | 100.00 | 100.00 | 100.00 | 000 | 0000 | 100.00 |
|------------------------------|----------|---------|--------|----------|--------|--------|----------|-------|-------|--------|----------|------------|--|-------|--------|-------------|--------|---------|----------|-------|-------|---------|--------|--------|--------|--------|-------|--------|----------|--------|-------|-------|--------|
| TRIAL BETTER | 24 83 | 0 0 0 | | 60.00 | 26.00 | 55.17 | 43.29 | 88.24 | 54.42 | 74.00 | 26.95 | 61.56 | 56.92 | 54.78 | 50.12 | 34.00 | 53.25 | 39.53 | 51.72 | 71.43 | 51.68 | 000 | 47.86 | 39.55 | 51.61 | 49.41 | 65.88 | 000 | 25.94 | 58.57 | 46.64 | 53.97 | 13.5 |
| NC SIGNIFICANT
DIFFERENCE | 34.84 | 41.20 | 32.75 | | 30.59 | 36.82 | 43.50 | 11.76 | 35.42 | 25 72 | 77.00 | 34.90 | . 35,15 | 35.37 | 37.82 | 30 18 | 97.65 | 45.95 | 39.28 | 27.38 | 41.05 | 46.47 | | 19.76 | 19.04 | 38,35 | 29.41 | 20 96 | 77.00 | 31.71 | 44.27 | 37.25 | |
| BASIC BETTER
THAN TRIAL | 1.33 | 10.32 | 8.41 | | 100 | 00. | 13.21 | • | 9.16 | 7.03 | | 31.38 | 7.94 | 9.85 | 12.06 | 7.57 | | 14.33 | 00.6 | 1.19 | 7.27 | 15.29 | 40 | | 11.1 | 12.24 | 4.71 | 6.82 | 100 | 10.6 | 40.6 | 8.78 | |
| COUNTY OF RESIDENCE | POLITIES | PASSAIC | NATION | BROOKLYN | NASSAU | BRONX | NO COULT | | | BENGEN | RICHMOND | MIDDI ESEX | I FICE OF THE PERSON IN COLUMN TO SERVICE OF THE PE | | 2120 | MEN CHENTER | ORANGE | SUFFOLK | SULLIVAN | | | SUMERSE | POTNAM | ESSEX | UNION | CHECEX | | MENCER | DUTCHESS | ULSTER | TOTAL | | |

| | COMPARISON BETWEEN BASIC AND CATEGORIZED BY OIFFERENT ANNUAL FLYI PERCENTAGES | DN BETYEEN BASIC AND TRIAL PATMAS CATEGORIZED BY CATEGORIZED BY DIFFERENT ANNUAL FLYING TIME -PERCENTAGES- | ATWAS | | |
|-----------------|---|--|----------------------------|--------|----|
| NUMBER OF TIMES | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL | |
| 0-50 | 1.15 | 38.57 | 51.88 | 100.00 | |
| 21-50 | 9.02 | 36,83 | 54.15 | 100.00 | |
| 91-100 | 1174 | 36.86 | 54.03 | 100.00 | |
| 101-200 | 6.73 | 27.52 | 55.75 | 100.00 | |
| 201-400 | 10.38 | 36.74 | 52.88 | 100.00 | |
| +00+ | 11.55 | 40.94 | 47.50 | 100,00 | |
| TOTAL | 1.95 | 37.43 | 53.62 | 100.00 | i |
| | COMPARISON BETWEEN BASIC AND
CATEGORIZED BY
DIFFERENT BASIC PATHAS | TRIAL
LISTEN | PATWAS | | 1. |
| NUMBER OF TIMES | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL | |
| 0-50 | 9.68 | 38.29 | 52.03 | 100.00 | |
| 21-50 | 1.37 | 36.00 | 55.63 | 100.00 | |
| 51-100 | 5.24 | 35,16 | 29.60 | 100.00 | |
| 101-200 | 07.50 | 36.93 | 54.87 | 100.00 | |
| 201-400 | 7.91 | 30.64 | 61.45 | 100.00 | |
| +00+ | 7.51 | 39.51 | 52.98 | 100.00 | |
| TOTAL | 9.03 | 37.43 | 53.62 | 100.00 | |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY DIFFERENT TRIAL PATWAS LISTENING -PERCENTAGES-

| TER TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
|------------------------------|-------------|--------|--------|--------|--------|---------|
| TRIAL BETTER
THAN BASIC | 46.80 | 52.34 | 56.37 | 57.68 | 61.02 | 53.62 |
| ND SIGNIFICANT
DIFFERENCE | 41.43 | 38.77 | 35.57 | 35,39 | 32.33 | . 37.43 |
| BASIC BETTER
THAN TRIAL | 11.77 | 6.89 | 90.0 | 96.9 | \$4.65 | 8.95 |
| NUMBER OF TIMES | 6- 0 | 6-10 | 11-20 | 21-40 | +07 | TOTAL |

REACTIONS TO TRIAL PATHAS STATEMENTS -PERCENTAGES-

| IGLY TOTAL | 1.05 109.00 | | | 9.001 | | | 100.00 | | | | | 2 100.00 | | 4 100.00 | | | 100.00 | |
|------------|--|--------------------------------|--------------------------------------|--|--|--|--|---|------------|--|-----------------------------|----------|--|--|--|--------------------------------|-------------------------------------|-------|
| STRUNGLY | 1. | 2 | • | | 4.42 | 1.75 | 2.80 | 1.26 | 16.6 | 7.31 | 0.52 | 2.22 | 14.17 | 9.44 | 80.9 | 23.01 | 46.54 | |
| AGREE | 7.60 | 20.27 | 70.12 | 78.01 | 75.49 | 53,23 | 13,82 | 6.89 | 70,60 | 72,15 | 3,56 | 14.62 | 62,92 | 75.96 | 65.59 | 96.54 | 46.78 | |
| UNCERTAIN | 10.32 | 20.32 | 20.15 | 8.29 | 12.38 | 18.61 | 18.90 | 22.71 | 8.23 | 8.56 | 11.34 | 13.87 | 6.81 | 8.24 | 19.61 | 7.59 | 16.4 | 6 61 |
| CISAGREE | 57.88 | 47.20 | 5.02 | 7.33 | 6.53 | 16.16 | 57.93 | 58.26 | 4.04 | 9.23 | 76.03 | 63.50 | 10.91 | 6.45 | 10.11 | 2.30 | 1.12 | 26.02 |
| DISAGREE | 23.15 | 9.65 | 49.0 | 0.72 | 1.18 | 3.25 | 6.55 | 7.89 | 2.22 | 2.76 | 8.55 | 5.80 | 5.20 | 0.92 | 1,54 | 0.56 | 99.0 | 4.77 |
| STATEMENT | NOT BROKE THE TREE TO BE A STATE OF THE STAT | ENGLES INTURAL ION IS PROVIDED | THE INFORMATION PROVIDED IS ACCURATE | THE CONTENT OF THE BRIEFING WAS SATISFACTORY | THE CADEMA IN VAICH THE INFORMATION IS TO SECURE THE IS SAFING TO SECURE THE INFORMATION IN CHIEFLY | A DECISION TO FLY NOT TO FLY HE MESSAGE IS TOO DAY | THE STATE OF THE S | TABLE OF SAME | ONGENSIAND | THE GREAKER TALKED TO COMMISSIONER LOW | THE SPEAKER TRIVED TO STORY | | PROMPTLY AFTER DIACTOR AND USE INCOME. | NOTIFIED OF STREET, ST | PICTURE OF THE WASHINGTON A CLEAK MENTAL | A LEGISTRE THE LAND THE USEFUL | UPDATED HOURLY DIAVE HE INTORMATION | TOTAL |

| S TO TRIAL PATHAS STATEMENTS | | | JRABLE) | |
|------------------------------|---------|---------|----------|-----------|
| PATHAS | ZED BY | ICENSE | FAVE | - 25 74 - |
| TRIAL | ATEGORI | PILOT L | Y AGREE | 17000 |
| 10 | U | | 107 | |
| REACTIONS | | | STRONGLY | |

| | 100.00 | STRDNGLY
AGREE
12.24 | AGREE
66.84 | AGES-
AGES-
CNCERTAIN | STRONGLY ARRER & TAUGRABLE) -PERCENTAGES- LY DISAGREE LNCERTAIN | (STR)
STRONGLY
DISAGREE | TYPE OF WEATHER RATING |
|---|--------------------------------------|---|---|--|---|--------------------------------------|---|
| 0 | - | | | | 8.12 | 1.97 | IFR |
| 0 | | | | | 0 | | |
| 0 | 100.00 | 12.24 | 66.84 | 10.82 | | | |
| | | AGKEE | | | | DISAGREE | TYPE OF WEATHER RATING |
| | TOTAL | STRONGLY | AGREE | LNCERTAIN | DISAGREE | STRONGLY | |
| , | | | | 1020 | -PERCEN | | |
| | | | | - FAVORABLE) | DNGLY AGREE | (STR | |
| | | | | DAILNG | | | |
| | | | 15 | TO TRIAL PATHAS STATEMENTS CATEGORIZED BY WEATHER RATING | S TO TRIAL PATHAS CATEGORIZED BY | REACTIONS | |
| | 100.00 | 12.63 | 66.73 | 11.21
ATHAS STATEMEN
ED BY
ATING | 7.66
S TO TRIAL P
CATEGORIZ | 1.77
REACTION | TOTAL |
| | 100.00 | 11.71 | 68.32
66.73 | 9.41 11.21 ATHAS STATEMEN ATING | 8.74
7.66
7.06
S TO TRIAL P | 1.82
1.77 | AIRLINE
Total |
| | 100.00 | 13.08 | 66.26
68.32
66.73 | 11.14
9.41
11.21
11.21
ATHAS STATEMEN
ED BN S | 7.64
8.74
7.66
7.06
S TO TRIAL P | 1.88
1.82
1.77
REACTION | COMMERCIAL
AIRLINE
TOTAL |
| | 100.00 | 12.55 | 67.27
66.26
68.32
66.73 | 10.82
11.14
9.41
11.21
11.21
EDBAS STATEMEN | 7.62
7.64
8.74
7.66
7.66
CATEGORIZ | 1.73
1.88
1.82
1.77 | PRIVATE
COMMERCIAL
AIRLINE
TOTAL |
| | 100.00
100.00
100.00
100.00 | 12.21
12.55
13.08
11.71
12.63 | 64.08
67.27
66.26
68.32
66.73 | 14.73
10.82
11.14
9.41
11.21
11.21
11.21
ED BAS STATEMEN
ED BATING | 7.34
7.62
7.64
8.74
7.66
7.66 | 1.63
1.73
1.88
1.82
1.77 | STUDENT PRIVATE COMMERCIAL AIRLINE |

| | (\$7) | CATEGORIED BY ENGINE LICENSE (STRONGLY ACREE = FAVORABLE) -PERCENTAGES- | CENSE
FAVORABLE)
AGES- | | | | |
|------------------------|---------------------|---|---|-------|----------|--------|--|
| TYPE OF ENGINE LICENSE | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL | |
| MULTI | 1.91 | 8.25 | 10.91 | 98.99 | 12,09 | 100.00 | |
| SINGLE | 1.69 | 7.44 | 11.32 | 66.73 | 12,82 | 100.00 | |
| TOTAL | 1.75 | 7.65 | 11.21 | 92.99 | 12,63 | 100.00 | |
| | STRONGELY STRONGELY | (STRUNGLY AGREE " FAVORABLE) -PERCENTAGESDISAGREE LNGERTAIN | (STRONGLY AGREE = FAVORABLE) -PERCENTAGESPERCENTAGESPERCENTAGESPERCENTAGESPERCENTAGES | AGREE | > JONES | TOTAL | |
| 0-400 | 1.76 | 7.59 | 11.60 | 65.63 | 13.41 | 100.00 | |
| 401-800 | 1.46 | 7.22 | 10.27 | 68.34 | 12.70 | 100.00 | |
| 801-1600 | 1.89 | 8.43 | 11.22 | 64.99 | 11.97 | 100.00 | |
| 1601-3200 | 2.24 | 8.21 | 11.12 | 68.89 | 9.53 | 100.00 | |
| 3200+ | 1.95 | 7.18 | 10.52 | 68.89 | 11.47 | 100.00 | |
| TOTAL | 1.79 | 7.66 | 11.22 | 56.72 | 12.62 | 100 00 | |

REACTIONS TO TRIAL PATRAS STATEMENTS
CATEGORIZED BY
GADO
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES-

| | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
|---------------------|------------|---|--|-------|----------|--------|
| | 1.39 | 7.09 | 11.15 | 67.29 | 13.07 | 106.00 |
| | 2.33 | 8.40 | 11.14 | 40.00 | 12.07 | 100.00 |
| | 1.75 | 7.58 | 11.15 | 96.82 | 12.69 | 100.00 |
| | REACTION | S TO TRIAL | REACTIONS TO TRIAL PATHAS STATEMENTS | 475 | | |
| | TYPE OF PO | F POWER PLANT MOST FR
(STRONGLY AGREE = FAV
-PERCENTAGES- | TYPE OF POWER PLANT MOST FREQUENTLY FLOWN (STRONGLY AGREE = FAVORABLE) -PERCENTAGES- | FLOWN | | |
| TYPE OF POWER PLANT | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| | 1.77 | 7.73 | 11.08 | 66.76 | 12.65 | 100.00 |
| | 1.03 | 7.74 | 14.45 | 62.45 | 14.32 | 100.00 |
| | 1.96 | 6.54 | 13.07 | 48.99 | 11.59 | 100.00 |
| | 1.77 | 7.69 | 11.22 | 69.99 | 12.64 | 100.00 |

| 15 | |
|--------------------------------------|-----------------------------|
| EMEN | ENCE |
| STA | RESIG |
| THAS | AGREE - FAV |
| PA | TIES |
| TRIA | NO V |
| 25 | ROLL |
| REACTIONS TO TRIAL PATHAS STATEMENTS | STRONGLY AGREE - FAVORABLE) |

| DUEENS 2.46 1.37 1.47 1.49 1.59 1.00.00 1.44 1.51 1.68 1.00.00 1.54 1.51 1.68 1.69 | COUNTY OF RESIDENCE | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL | |
|--|---|----------|----------|-----------|-------|----------|-------|---|
| N | | | 07.4 | 9.25 | 67.03 | 16.05 | | |
| N | | 11. | | 6.77 | 65.78 | 11.88 | | |
| TERM T. S. | PASSAIC | | 71.01 | 10.87 | 65.29 | 15,19 | | - |
| TER T. S. T. | HANHALTAN | 100 | 27.0 | 11.80 | 65.52 | 12.53 | | |
| TERM 1.32 | BROOKLYN | | | 10.35 | 68.25 | 12.45 | | |
| TER T. 10.00 | ZASSAC | | 100 | 04.0 | 70.09 | 11.11 | | |
| TER TER 9.11 10.62 66.61 12.48 100.02 1.2.48 100.02 1.2.5 | XZDX | *** | 00. | 7.14 | 71.43 | 4.76 | | |
| TERM 1.32 10.05 11.05 10 | HUNTERDON | | 0.00 | 10.62 | 66.61 | 12.48 | | |
| TER 1.21 9.08 10.05 2.63 7.82 10.17 71.21 1.064 1000 2.63 7.84 10.81 67.27 11.35 1000 1.44 75 10.81 67.27 12.35 1000 1.45 6.98 11.08 67.27 12.35 1000 1.26 7.37 12.64 64.7 11.35 1000 1.26 7.37 12.64 64.7 1000 1.30 7.37 12.68 65.34 11.44 1000 1.30 9.00 15.90 65.10 11.44 1000 1.30 9.18 1.32 20.41 53.06 11.44 1000 1.30 9.18 1.30 65.10 12.40 1000 1.30 9.18 15.90 65.10 12.40 1000 1.30 9.18 15.90 65.10 12.40 1000 | HODSON | | 11.0 | 11.06 | 67.37 | 11.25 | | - |
| TER 1.91 9.52 10.52 65.4) 11.64 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.03 10.0 | DE LE CELL | 91.7 | 000 | 10.17 | 71.21 | 90.6 | | |
| TER T. 2.63 7.23 13.46 64.68 12.02 100. 1.44 7.23 7.24 11.25 100. 1.44 7.24 11.25 100. 1.44 7.24 11.25 100. 1.44 7.24 11.25 100. 1.44 7.24 11.25 100. 1.44 7.24 11.25 100. 1.24 11.25 100. 1.25 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 100. 1.24 11.42 11.44 11 | RICHMOND | 1.72 | 78. | | 14.4 | 11.64 | | |
| TER 1.44 7.54 10.81 67.27 12.95 100.01 1.44 7.54 10.81 67.27 12.95 100.01 1.44 7.54 10.81 67.27 12.95 100.01 1.44 11.25 10.20 12.04 67.82 12.04 10.05 11.25 11.25 12.04 67.82 12.05 10.05 11.25 11.25 10.05 12.04 67.34 10.05 11.25 10.05 12.04 10.05 12.05 10.05 | MIDDLESEX | 1 | 4,00 | 13.46 | 80.49 | 12.02 | | |
| 1.46 | H L D H L D L L L L L L L L L L L L L L | 60.7 | 000. | 99.0 | 67.76 | 12,11 | | |
| 1.44 6.98 11.35 100. 1.45 6.98 11.08 6.782 10.10 100. 1.20 7.12 8.80 6.78 100. 1.20 6.78 10.10 100. 1.20 6.78 10.10 100. 1.20 6.78 10.10 100. 1.30 6.25 11.57 100. 1.30 6.25 11.41 100. 1.30 6.25 11.42 100. 1.30 6.30 11.45 100. 1.30 6.30 11.45 100. 1.30 6.30 11.45 100. 1.30 6.30 11.45 100. 1.30 6.30 11.45 100. 1.30 1 | MORKIS | 4 | 7 2 4 | 10.81 | 67.27 | 12.95 | | |
| 1.46 6.98 11.68 6.782 12.07 100 1.20 1.20 1.20 1.20 1.20 1.20 1.20 | MENICHESIER | | 4.4 | . 14.12 | 68.47 | 11,35 | | |
| 1.26 7.13 12.64 66.78 12.18 100. 1.26 7.13 12.64 66.78 12.18 100. 1.26 7.13 12.64 62.56 19.71 100. 1.26 7.25 19.36 62.44 14.43 100. 1.36 7.37 12.68 66.37 11.42 100. 1.36 9.18 1.32 2.21 10.0 6.32 14.29 100. 1.37 10.05 65.10 12.40 10.05 65.10 12.40 100. 1.38 1.39 1.39 1.39 1.39 1.39 1.39 1.39 1.39 | DRANGE | 76.1 | 200 | 89 | 67.82 | 12.07 | | |
| 1.25 | SUFFOLK | : | | 50.5 | 82.83 | 10.10 | | |
| 1.20 11.57 8.80 62.50 15.28 100.
1.20 6.25 9.38 6.346 19.71 100.
1.80 7.37 12.68 66.67 11.44 100.
3.95 7.37 12.68 76.32 19.21 100.
3.96 9.18 20.41 53.06 12.40 100.
0.68 5.60 15.90 65.10 12.40 100. | SULLIVAN | | 70.7 | 40.01 | 66.78 | 12.18 | | |
| 1.20 6.25 9.38 6.346 19.71 100. 1.80 9.09 11.11 6.2.44 11.42 100. 1.80 7.21 12.68 66.07 11.42 100. 1.80 9.18 20.04 53.06 14.29 100. 0.80 5.60 15.90 65.00 12.40 100. 0.80 5.67 11.14 6.6.82 12.70 100. | ROCKLAND | | | 08.8 | 62.50 | 15.28 | | |
| 3.02 9.00 11.11 62.44 14.43 100.11.12 62.44 14.43 100.11.12 62.44 11.42 100.11.13 9.21 76.32 11.42 100.11.13 9.21 76.32 11.42 100.11.13 9.21 100.11.14 65.81 11.79 11.79 1 | SUMERSE | | 30.4 | 0.38 | 43.46 | 19.71 | | |
| 1.86 7.37 12.68 66.67 11.42 100 3.95 1.32 9.21 76.32 9.21 100 0.80 9.18 1.32 9.21 53.06 12.40 100 0.88 5.67 19.05 65.10 12.40 12.4 | E A STORE | 2.5 | | 11.11 | 62.44 | 14.43 | | |
| 3.95 1.32 9.21 76.32 9.21 100
3.06 9.18 20.41 53.06 14.29 100.
0.60 5.80 15.90 65.10 12.40 100
0.68 5.67 19.05 62.81 11.79 100 | ESSEX | 70.5 | 7.6 | 12.68 | 19.99 | 11.42 | | |
| 3.06 9.18 20.41 53.06 14.29 100.00.00 0.00 5.80 15.90 65.10 12.40 100.00 0.00 5.60 11.14 66.81 11.79 100.00 10.00 | Z DIZO | | 25 | 9.21 | 76.32 | 9.21 | | |
| 0.00 5.40 15.90 65.10 12.40 100 65.10 12.40 100 65.00 12.40 100 65.00 12.70 100 10.40 65.00 12.70 100 10.40 65.00 12.70 100 100 10.40 65.00 12.70 100 100 100 100 100 100 100 100 100 1 | SUSSEX | | 30.0 | 20.41 | 53.06 | 14.29 | | |
| 0.68 5.67 19.05 62.81 11.79 100 | MERCEX | | 0 0 | 15.90 | 65.10 | 12.40 | | |
| 11.16 66.82 12.70 100 | COLCHESS | | 200 | 19.05 | 62.81 | 11.79 | | |
| | UL3167 | 25. | 7.58 | 11.14 | 66.82 | 12,70 | | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
OIFFERENT TRIAL PATHAS LISTENING
(STRONGLY AGREE " FAVORABLE)
-PERCENTAGES-

| NUMBER OF TIMES | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
|-----------------|----------|----------|-----------|-------|----------|--------|
| 6-0 | 1.76 | 7.31 | 16.28 | 64.07 | 10.58 | 100.00 |
| 9-10 | 1.60 | 7.94 | 8.95 | 66,93 | 12,18 | 100.00 |
| 11-20 | 2.16 | 8.23 | 8.82 | 68.65 | 12,15 | 100.00 |
| 21-40 | 1.73 | 7.17 | 8.01 | 68.29 | 14,80 | 100.00 |
| •0• | 1.04 | 7.79 | 7.95 | 65,11 | 17.51 | 100 00 |
| TOTAL | 1.79 | 7.66 | 11.22 | 66,72 | 12,62 | 100.00 |

LOINT

| | S PROVIDED |
|--------------------------------|----------------------------------|
| | - |
| | TOO MUCH INFORMATION IS PROVIDED |
| , | HUCH |
| NT REACTIONS OF ALC RESTONDENT | 100 |
| - | |

| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 00. | 90.001 | | | TOTAL | | 00.00 | 00.001 | | | | | | | TOTAL | : | 100.00 | 00.001 | 200 | | 00.00 | 00.001 |
|--|---------------------------|-------------------|-----------|---------|--------|--------|----------------|---|-------------------------|-----------|--------------------------|-------|---------------------|----------|-------------------|-------|----------------|---|-------------------------------|-----------|-----------------------------|--------|-------------------|----------|-----------|-------|-----------------------|
| STRONGLY | 3.89 | 0.58 | 9.12 | 25.0 | 40 | | 10 | | | STRUNGLY | | 18.00 | | 27.0 | | 0.00 | 2.4 | | 11.4 | STRUNGLY | | 4.37 | 0.50 | | 0.10 | | 0 20 |
| AGREE | 10.10 | 11.46 | 1.72 | 2 2 2 2 | 200 | 2.10 | 7.29 | | D LONG | AGREE | | 20.32 | 11.13 | 3.0 | 3,38 | 2.00 | 13,33 | | 10 TOO SLOW | AGREE | | 4.80 | 3.59 | 0.0 | 3.35 | 2,38 | 3.22 |
| UNCERTAIN | 4.22 | 11. | | 00.07 | 0.03 | 1.98 | 10.37 | 2 | THE MESSAGE IS TOO LONG | UNCERTAIN | | 4.52 | 6.10 | 69.49 | 4.16 | 2.00 | 19.02 | 17.5 | THE SPEAKER TALKED TOO SLOWLY | UNCERTAIN | | 1.31 | 1.62 | 69.86 | 3.52 | 2.38 | 11.41 |
| DISAGREE | | 00.07 | 000 | 21.4 | 67.87 | 19.80 | 58.21 |
ALL RESPONDEN
GES- | THE | DISAGREE | | 13,55 | 73.07 | 27.24 | 85.71 | 18.00 | 58.52 | ALL RESPONDEN
GES- | THE | CISAGREE | | 9.61 | 93.06 | 26.53 | 82.75 | 34.90 | 76.30 |
| STRONGLY | | 53.11 | 16.79 | 18.01 | 23.82 | 68.32 | 23.26 | JOINT REACTIONS OF ALL RESPONDENTS PERCENTAGES- | | STRONGLY | DISAGREE | 43.55 | 1.66 | 3,36 | 5.97 | 72.00 | 99.9 | JOINT REACTIONS OF ALL RESPONDENTS PERCENTAGES- | | STRONGLY | חומשמוח | 79.91 | 1.54 | 2.71 | 10.21 | 53 57 | 8.56 |
| CHOCK OF THE PROPERTY OF THE P | מחו באחתפט זיאבתפטים וחוי | STRONGLY DISAGREE | DIEACRES. | 2-4-0 | | ACART. | STRONGLY ACKER | | | 8. | THE MESSAGE IS TOO SHORT | | STRUNCTY OLD TORING | DISAGREE | Z I d I W I D I D | AGREE | STRONGLY AUREE | | | | THE SPEAKER TALKED TOO FAST | | STRONGLY DISACKEE | DISACKEE | CNCERTAIN | AGREE | STRONGLY AGREET TOTAL |

QUESTIONNAIRE DATA (INITIAL)

The questionnaire data obtained from responses to the initial mailing are contained in this section. The material is discussed in volume ${\tt I.}$

COMPARISON BETWEEN BASIC AND TRIAL PATWAS

| TOTAL | 1510 | 1483 | 1699 | 1693 | 1674 | 1467 | 1483 | 1488 | 1482 | 1483 | 1489 | 1435 | 1488 | 1485 | 1464 | 1489 | 1451 | 25203 |
|----------------------------|--------------------------------|----------------------------------|---|---------------------------------|---|----------------|----------------------------|----------------------------|---------------|--|---|--|-----------------------|----------------------------|--------------------------|--|--|-------|
| TRIAL BETTER
THAN BASIC | 1192 | 723 | 926 | 1162 | 781 | 893 | 572 | 533 | 483 | 169 | 1067 | 808 | 148 | 1114 | 1089 | 392 | 570 | 14348 |
| NO SIGNIFICANT | 181 | 679 | 474 | 712 | 573 | 399 | 787 | 822 | 606 | 099 | 330 | 571 | 659 | 271 | 290 | 990 | 689 | 8865 |
| BASIC BETTER
THAN TRIAL | 137 | | 66 | 114 | 120 | 175 | 124 | 133 | 96 | 126 | 26 | 78 | 111 | 100 | 105 | 107 | 192 | 1990 |
| CHARACTERISTIC | AMOUNT OF INFORMATION PROVIDED | ACCURACY OF INFORMATION PROVIDED | ADEQUACY TO SUPPORT A GO/NO-GO DECISION | YOUR SATISFACTION WITH BRIEFING | DROER IN WHICH INFORMATION IS PRESENTED | MESSAGE LENGTH | DOUBLITY OF SPEAKING VOICE | AMDUNT OF BACKGROUND NOISE | SPEAKING RATE | CONNECTED PROMPTLY TO RECORDED MESSAGE | MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM FSS | MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM FSS | EASE OF COMPREHENSION | USEFULLNESS OF INFORMATION | RESPONSIVE TO YOUR NEEDS | PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | AMOUNT OF UNNECESSARY INFORMATION PROVIDED | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
PILOT LICENSE

| TYPE OF PILOT LICENSE | BASIC BETTER
THAN TRIAL | NC SIGNIFICANT
DIFFERENCE | TRIAL BETTER | TOTAL |
|------------------------|----------------------------|---|----------------------------|-------|
| STUDENT | 193 | 545 | 678 | 1416 |
| PRIVATE | 1105 | 4643 | 7921 | 13969 |
| COMMERCIAL | 984 | 2779 | 4952 | 8585 |
| AIRLINE | 127 | 976 | 768 | 1441 |
| TOTAL | 1979 | 8813 | 14319 | 25111 |
| | COMPARISON BETWEEN | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY MEATHER RATING | ATWAS | |
| TYPE OF WEATHER RATING | BASIC BETTER
THAN TRIAL | NC SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
| | 743 | 3767 | 6861 | 11371 |
| | 1236 | 9006 | 7458 | 13740 |
| TOTAL | 1979 | 8613 | 14319 | 25111 |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY ENGINE LICENSE

| 7311 | 17196 | 24507 |
|-------|-----------|----------|
| 4304 | 9716 | 14020 |
| 2496 | 6609 | 8595 |
| 511 | 1381 | 1892 |
| וחרוז | INGLE | IOTAL |
| | 2496 4304 | 511 2496 |

| | TOTAL | 11529 | 0987 | 4030 | 5459 | 2355 | 25203 |
|--|------------------------------|-------|---------|----------|-----------|-------|-------|
| PATWAS | TRIAL BETTER
THAN BASIC | 6401 | 2840 | 2408 | 1308 | 1391 | 14348 |
| BASIC AND TRIAL P
GORIZED BY
YING TIME | NC SIGNIFICANT
DIFFERENCE | 4160 | 1646 | 1383 | 895 | 781 | 8865 |
| COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY FLYING TIME | BASIC BETTER
THAN TRIAL | 996 | 374 | 239 | 226 | 183 | 1990 |
| | FLYING TIME (HOURS) | 0-400 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

| PATHAS | |
|-------------|--|
| RIAL | |
| AND D | |
| CATEGORIZED | |
| COMPARISON | |

| | Management of the Control of the Con | | | | | | | | | 1 1 | | | | | | | | | | | |
|--|--|--|--------------------|---------------------|------------------------------|-------------|-----------|-------|---|---------------------|------------------------------|--------|-------|-----|-----|-------|--|--|--|--|--|
| | | | | | TOTAL | 15266 | 9042 | 24308 | | | TOTAL | | 23795 | 366 | 935 | 25096 | | | | | |
| | | | ATWAS | | TRIAL BETTER
THAN BASIC | 4777 | 5165 | 13942 | TWAS | FLOWN | TRIAL BETTER
THAN BASIC | | 13676 | 191 | 434 | 14301 | | | | | |
| | | | BASIC AND TRIAL P | GASC BY | NO SIGNIFICANT
DIFFERENCE | 5364 | 3134 | 8678 | BASIC AND TRIAL PA | MOST FREQUENTLY | NO SIGNIFICANT
DIFFERENCE | 8243 | 5075 | 138 | 412 | 8813 | | | | | |
| | | | COMPARISON BETWEEN | CATEGORIZED BY GADC | BASIC BETTER
THAN TRIAL | 1125 | 743 | 1868 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS | TYPE OF POWER PLANT | BASIC BETTER
THAN TRIAL | 1856 | | 37 | 68 | 1982 | | | | | |
| | | | | | . 0040 | TARRINGDALE | בי באסטאט | | | | TYPE OF POWER PLANT | PISTON | 000 | | | | | | | | |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE

| TOTAL | 1974 | 841 | 2105 | 931 | 3662 | 272 | 0 | 373 | 2456 | 705 | 693 | 1267 | 1242 | 1862 | 566 | 2628 | 50 | 456 | 89 | 89 | 1141 | 906 | 89 | 17 | 505 | 85 | 24308 |
|------------------------------|------|---------|--------|----------|--------|------|-----------|--------|--------|---------|-----------|------------|--------|--------------|-------|--------|---------|---------|---------|-------|------|------|-------|-------|----------|---------|-------|
| TRIAL BETTER | 1179 | 448 | 1254 | 561 | 2191 | 142 | 0 | 226 | 1471 | 235 | 426 | 761 | 642 | 1039 | 76 | 1445 | 35 | 525 | 04 | 32 | 624 | 471 | 94 | 10 | 562 | 09 | 13942 |
| NC SIGNIFICANT
DIFFERENCE | 199 | 308 | 673 | 334 | 1225 | 102 | o | 126 | 776 | 137 | 222 | 107 | 294 | 717 | 134 | 951 | 14 | 200 | 14 | 34 | 450 | 340 | 22 | 7 | 154 | 25 | 8498 |
| BASIC BETTER
THAN TRIAL | 111 | 500 | 178 | 36 | 246 | 28 | 0 | 21 | 179 | 30 | 3 | 66 | 138 | 106 | 96 | 232 | 1 | 27 | ** | 2 | 19 | 56 | 0 | 0 | 52 | 10 | 1868 |
| COUNTY OF RESIDENCE | 50 m | DASSAIC | AATTAN | BROOKLYN | NASSAU | XDAX | TUNTERDON | TUBSON | BERGEN | ICHMOND | 41DDLESEX | THOUSEDITE | 10ARIS | FEST CHESTER | PANGE | UFFOLK | ULLIVAN | DCKLAND | DHERSET | CTRAM | SSEx | NOIN | USSEX | ENCEN | DUTCHESS | JLSTER. | TOTAL |

| COMPARISON BETWEEN BASIC AND TRIAL PATWAS DIFFERENT ANNUAL FLYING TIME 290 2228 290 2228 586 2540 215 1707 163 689 143 448 1990 8865 1990 8865 THAN TRIAL PATWAS COMPARISON BETWEEN BASIC AND TRIAL PATWAS COMPARISON BETWEEN BASIC AND TRIAL PATWAS DIFFERENT BASIC DATWAS LISTENING THAN TRIAL DIFFERENCE THAN TRIAL STRUKENCE 70 260 32 260 32 86 |
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| TRIAL | LISTENING |
| DNA | THAS |
| BETWEEN BASIC | CATEGORIZED BY |
| COMPARISON | |

| TOTAL | 6814 | 0644 | 5288 | 4426 | 4185 | 25203 |
|----------------------------|------|-------------|------|-------|-------|-------|
| TRIAL BETTER
THAN BASIC | 3410 | 2467 | 3108 | 2702 | 2661 | 14348 |
| NO SIGNIFICANT | 2662 | 1682 | 1808 | 1453 | 1260 | 8965 |
| BASIC BETTER
THAN TRIAL | 742 | 34.1 | 372 | 271 | 564 | 1990 |
| NUMBER OF TIMES | | 6- 0 | 6-10 | 11-20 | 21-40 | 40¢ |

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| REACTIONS TO TRIAL PATMAS STATEMENTS STATEMENT STATEM | salamin a salamin desamente | And the last of th | | | | | | | | | A CONTRACTOR OF THE PARTY OF TH | | | | | | | | | | | | | |
|--|-----------------------------|--|--------------|-----------|--------|--------------------------------|----------------------------------|--|-----------------------------------|---|--|--------------------------|-----------------------------------|--|-------------------------------|-----------------------------|-------------------------------|--|-------------------------------------|--|--|-------|--|--|
| STRENCLY DISACREE UNCERTAIN AGREE STRENCH TO | | | | TOTAL | . 7082 | 2276 | 2276 | 2278 | 2307 | 2303 | 2282 | 2236 | 2307 | 2298 | 2722 | 2270 | 2315 | 2273 | 5305 | 2300 | 2314 | 38919 | 25276 | |
| STRONGLY DISAGREE UNCERTAIN 625 1316 170 626 1316 170 222 1094 413 17 112 446 17 112 446 18 15 39 356 395 19 1370 353 18 1342 436 19 1370 353 18 1342 436 19 1370 353 18 127 266 1155 17 12 266 1155 18 127 264 117 18 117 18 118 187 19 118 187 10 1176 204 11 2 466 11 3 1 3 2 466 11 4 5 1 491 264 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | STRONGLY | 23 | 59 | 93 | 136 | 109 | 213 | 74 | 33 | 245 | 182 | 15 | 53 | 363 | 222 | 155 | 530 | 1136 | 3641 | 3384 | |
| ATISFACTORY A IS AAKE AAKE AAKE AAKE TLY LOW HENTAL ARE USEFUL TION TION | | | | AGREE | 173 | 88 | 1608 | 1788 | 1751 | 1250 | 316 | 240 | 1634 | 1653 | 87 | 317 | 1444 | 1735 | 1476 | 1541 | 1055 | 18556 | 16935 | |
| ATISFACTORY A IS AAKE AAKE AAKE AAKE TLY LOW HENTAL ARE USEFUL TION TION | | | STATEMENTS | UNCERTAIN | 170 | 413 | 944 | 191 | 529 | 395 | 353 | 436 | 167 | 155 | 504 | 564 | 711 | 137 | 405 | 157 | 8.5 | 4354 | 2484 | |
| ATTE ATTISFACTORY A IS AAKE LY LOW WENTAL ARE USEFUL TION TON | | | TRIAL PATHAS | DISAGREE | 1316 | 1094 | 112 | 178 | 158 | 356 | 1370 | 1342 | 210 | 236 | 1756 | 1691 | 564 | 157 | 232 | 99 | 53 | 19801 | 1982 | |
| ATTE ATTISFACTORY A IS AAKE LY LOW WENTAL ARE USEFUL TION TON | | | CTIONS TO | TRONGLY | 629 | 222 | 11 | 15 | 30 | 68 | 169 | 185 | 51 | 27 | 210 | 145 | 127 | 22 | 37 | 16 | 15 | 2047 | | |
| | | | A M | | PROV | ENDUGH INFORMATION IS PROVIDED | INFORMATION PROVIDED IS ACCURATE | CONTENT OF THE BRIEFING WAS SATISFACTORY | DRDER IN WHICH THE INFORMATION IS | PRESENTED IS SATISFACTURY INFORMATION IS SUFFICIENT TO MAKE | A DECISION TO FLY UR NUT TO FLY MESSAGE IS TOO LONG | THE MESSAGE IS TOO SHORT | THE SPEAKER IS EASY TO UNDERSTAND | THE BACKGROUND NOISE IS SUFFICIENTLY LOW | THE SPEAKER TALKED TOB SLOWLY | THE SPEAKER TALKED TOB FAST | RECORDED MESSAGE WAS DBTAINED | PROMPTLY AFTER DIALING
S EASY TO COMPREHEND THE INFORMATION | INFORMATION PROVIDES A CLEAR MENTAL | PICTURE OF THE MEATHER
NOTAMS AND FLIGHT PRECAUTIONS ARE USEFUL | IT IS MELPFUL TO MAVE THE INFORMATION UPDATED HOURLY | TOTAL | TOTAL (TO ALL TRIAL PATWAS STATEMENTS FOR WHICH STRONGLY AGREE » FAVARABLE) | |

| | REALITUMS
(STR | CATEGORIZED BY PILOT LICENSE | REALITONS CATEGORIZED BY PILOT LICENSE (STRONGLY ACREE - FAVORABLE) | | | |
|---|---------------------|------------------------------|---|-------|----------|-------|
| S.M. O. I. TO I.I.O. DO SON | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
| THE OF THE OF | 35 | 133 | 502 | 1242 | 253 | 16438 |
| | 273 | 1123 | 1410 | 9758 | * 01 | |
| אויאן אויי | 152 | 665 | 756 | 5014 | 1095 | 1010 |
| COMMERCIAL | 21 | 123 | 110 | 668 | 158 | 1311 |
| AIRLINE
TOTAL | 184 | 1978 | 2481 | 16913 | 3380 | 29233 |
| | REACTIONS
(STRO) | | TIONS TO TRIAL PATHAS STATEMENTS CATEGORIZED BY MEATHER RATING (STRONGLY AGREE = FAVORABLE) | S L | | |
| 0 N H 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| אבשוחבא אב | 213 | 861 | 1018 | 2469 | 1346 | 10380 |
| IFR | 268 | 1117 | 1463 | 1266 | 2034 | 14853 |
| VFR | 19, | 1978 | 2481 | 16913 | 3380 | 28233 |
| | | | | | | |

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|-------------|-------|-------|------------------------------|
| EMEN | | | E) |
| STAT | | | DRABL |
| DTHAS | ED BY | CENSE | . FAV |
| ALP | 50R12 | 17 37 | SREE |
| 4 | CATE | ENGI | LY A |
| REACTIONS T | | | (STRONGLY AGREE . FAVORABLE) |
| REACT | | | |

| | 2 | 7107070 | NIGERIA | AGREE | STRONGLY | TOTAL |
|------------------------|----------|-----------|-----------------------------|-------|-------------------|-------|
| TYPE OF ENGINE LICENSE | DISAGREE | DISAGRE | | | AGREE | |
| | 126 | 264 | 849 | 4616 | 878 | 6832 |
| | 337 | 1364 | 1790 | 11972 | 2438 | 10641 |
| | 463 | 1928 | 2438 | 16588 | 3316 | 24733 |
| | 2 | 4 | ATHAS STATEMEN | 15 | | |
| | | CATEGORIZ | CATEGORIZEO BY | | | |
| | (518 | PLYING | STRONGLY AGREE . FAVORABLE) | | | |
| FLYING TIME (HOURS) | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL |
| | 257 | 1022 | 1345 | 9698 | 1859 | 13179 |
| | 6.5 | 319 | 403 | 2898 | 297 | 4584 |
| | 65 | 300 | 345 | 2386 | 433 | 8258 |
| | 56 | 190 | 212 | 1470 | 522 | 2153 |
| | 60 | 151 | 177 | 1485 | 270 | 2131 |
| | 165 | 1982 | 2484 | 16935 | 3384 | 25276 |
| | | | | | | |

| STATEMENTS | FAVORABLE |
|------------------|-------------|
| PATHAS
ZED BY | FAV |
| PAT | 2. |
| CATEGORIZE | GA
AGREE |
| - | > Joh |
| REACTIONS | YSTRINGLY |
| oc. | |

| STRONGLY TOTAL AGREE | 2077 15000 | 1202 9333 | 3279 24333 | STRONGLY TOTAL AGREE | 3191 23862 | 56 382 | 128 680 | |
|----------------------|-------------|-----------|------------|---|------------|--------|---------|--|
| AGREE STRO | 10100 2 | 6210 1 | 16310 3 | | 15980 | 260 | 588 | |
| CNCERTAIN | 1476 | 913 | 2389 | STRONGLY AGREE - FAUDRABLE) STRONGLY DISAGREE LNCERTAIN AGRI | 2351 | 31 | 40 | |
| DISAGREE | 1118 | 176 | 1894 | T POWER PLAN FOST FESTERING (STRONGLY AGREE = FAVORABLE) LY DISAGREE LNCERTAIN EE | 1884 | 32 | 61 | |
| STRONGLY | 529 | 232 | 461 | STRONGLY DISAGREE | 456 | | 19 | |
| GADO | FARMINGDALE | TETERBORD | TOTAL | TYPE OF POWER PLANT | PISTON | TURBO | | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CAFEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE
(STRONGLY AGREE = FAVORABLE)

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ACONDA | | 107 | 3.1 | 217 | 38 | 818 |
| TONTEROON | • | 17 | 19 | 77 | 2 | |
| NOSON | • | 2 | 2 | 9 | 9 | 2 |
| | 3 | 17 | 41 | 258 | 47 | 380 |
| NUCES | 36 | 202 | 255 | 1701 | 327 | 2541 |
| | | 20 | 94 | 288 | 34 | 199 |
| | - | | 82 | 474 | 70 | 710 |
| TIDOLESEA | 3.2 | | 121 | 738 | 163 | 1135 |
| | 14 | 126 | 129 | 934 | 174 | 1409 |
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| | 2 | 148 | 262 | 1813 | 325 | 2607 |
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| 2000 | • | 36 | - | 297 | 57 | 437 |
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| | 3.5 | | 9.5 | 755 | 167 | 1144 |
| 700 | | 12 | 93 | 638 | 101 | 426 |
| 200 | ? " | - | | 04 | | 54 |
| 40000 | | | 1 | • | | 21 |
| | | 43 | 44 | 450 | 93 | 979 |
| 2000000 | | ? = | 91 | 119 | 53 | 176 |
| 4000 | 144 | 7001 | 2384 | 16294 | 3278 | 24311 |

| REACTIONS TO TRIAL PATHAS STATEMENTS
CATECORILED BY
DIFFERENT BASIC PATHAS LISTENING
(STRONGLY AGREE " FAVORABLE) |
|--|
| STRONGLY |
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| 23 |
| 20 |
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| . ~ |
| 165 |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATECORIZED BY ISTENING
(STRONGLY AGREE " FAVORABLE)

| TOTAL | 7610 | 4816 | 9285 | +028 | 1837 | 29276 |
|-------------------|------|------|-------|-------|------|-------|
| STRUNGLY
AGREE | 901 | 966 | 689 | 587 | 961 | 3384 |
| AGREE | 5063 | 3292 | 3597 | 2742 | 2241 | 16935 |
| UNCERTAIN | 686 | 455 | 455 | 349 | 286 | 5484 |
| DISAGREE | 557 | 384 | 694 | 285 | 287 | 1982 |
| BISAGREE | 150 | • | 125 | 69 | • 5 | 167 |
| NUMBER OF TIMES | 6-0 | 6-10 | 11-20 | 21-40 | +0+ | TOTAL |

JOINT REACTIONS OF ALL RESPONDENTS

TOO MUCH INFORMATION IS PROVIDED

| AGREE STRONGLY TOTAL AGREE | 10 | | 000 | | | 161 22 2269 | | THE MESSAGE IS TOO LONG | AGREE STRONGLY TOTAL | 37 | | - | | 293 66 2229 | | THE SPEAKER TALKED TOO SLOWLY | AGREE STRONGLY TOTAL | 10 7 143 59 64 1483 7 2693 7 1 1 308 |
|------------------------------------|-------------------------------|-----------|-------|----------------|-------|-------------|------------------------------------|-------------------------|--------------------------|-------------------|-----------|-------|----------------|-------------|------------------------------------|-------------------------------|-----------------------------|---|
| UNCERTAIN | 15 | 20 | 73 | 56 | - | 165 | RESPONDENTS | THE MESS | UNCERTAIN | 6 | 18 | 248 | • | 348 | ESPONDENTS | THE SPEAK | UNCERTAIN | 171 |
| DISAGREE | 57 | 660 | 523 | ם י
ר | | 1061 | JOINT REACTIONS OF ALL RESPONDENTS | | DISAGREE | 27 | 976 | 0 40 | 95 | 1354 | JOINT REACTIONS OF ALL RESPONDENTS | | DISAGREE | 1376 |
| DISAGREE | 120 | 512 | | 151 | *** | 070 | JOINT REACT | | STRONGLY | 6 | 92 | | 52 | 168 | JOINT REACT | | STRONGLY | 114
25
25
13
28
27 |
| NOT ENDUGH INFORMATION IS PROVIDED | STRUNGLY DISACREE
DISACREE | UNCERTAIN | AGREE | STRUNGLY AGREE | TOTAL | | | | THE MESSAGE IS TOO SHORT | STRONGLY DISAGREE | UNCERTAIN | AGREE | STRONGLY AGREE | | | | THE SPEAKER TALKED TOO FAST | STRONGLY DISAGREE DISAGREE UNCERTAIN AGREE STRONGLY AGREE |

| INFORMATION | PATHAS |
|-------------|-----------|
| ADDITIONAL | THE TRIAL |
| 8 | ٢ |
| THE FSS F | ENIN |
| H | . 15 |
| 6 | APTER |
| CONFACT | 4 |

| | ESS CONTACTED | | |
|-----------------------|---------------|------|-------|
| | ON | YES | TOTAL |
| PREFEIGHT FSS CONTACT | 948 | 1700 | 2248 |
| IN-PLIGHT ESS CONTACT | 591 | 1038 | 1883 |
| TOTAL | 1393 | 2738 | 4131 |

| | | | | | | The second secon | and the second s | | | - | | | | | |
|---|---------------|-------|------------------------|--------------|-------|--|--|----------------------------------|-----------|------------------------|-----------------------|-------|---|--|--|
| | | TOTAL | 2248 | 1883 | 1614 | | | | CONTACTS | 1700 | 1090 | 2738 | | | |
| HATION S | | 2 | | | | | | | MORE THAN | 33 | 1.1 | 90 | | | |
| ADDITIONAL INFORM | DES CONTACTED | YES | 1700 | 1030 | 2736 | | | ITACTS WHEN MADE | BETWEEN 6 | 95 | 10 | 27 | | | |
| CONFACT OF THE FSS FOR ADDITIONAL INFORMATION AFTER LISTENING TO THE TRIAL PATHAS | | 2 | 946 | 591 | 1393 | | | LENGTH OF PSS CONTACTS WHEN MADE | BETWEEN 1 | 1223 | 369 | 1592 | | | |
| CONFA | | | SS CONTACT | ESS CONTACT | | | | | LESS THAN | 382 | 642 | 1024 | - | | |
| | | | PRE-FLIGHT FSS CONTACT | IN-PLIGHT ES | TOTAL | | | | | PRE-FLIGHT FSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL | | | |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS -- PERCENTACES-

| | BASIC BETTER | ND SIGNIFICANT | TOTAL METATOR | 4101 | |
|---|--------------|----------------|---------------|--------|--|
| CHARACTERISTIC | THAN TRIAL | DIFFERENCE | THAN BASIC | 1014 | |
| AMOUNT OF INFORMATION PROVIDED | 4.07 | 11,99 | 78.94 | 100.00 | |
| ACCURACY OF INFORMATION PROVIDED | 3.46 | 45.79 | 87.85 | 190 90 | |
| ADEQUACY TO SUPPORT A GO/NO-GO DECISION | 9.9 | 31.62 | 61.77 | 100.00 | |
| YOUR SATISFACTION WITH BRIEFING | 1.04 | 14.53 | 77.83 | 100.00 | |
| DRDER IN WHICH INFORMATION IS PRESENTED | •.14 | 38.87 | 52.99 | 100.00 | |
| MESSAGE LENGTH | 11.93 | 27.20 | 60.87 | 100.00 | |
| QUALITY OF SPEAKING VOICE | 1,36 | 53.07 | 38.57 | 100.00 | |
| AMDUNT OF BACKGROUND NOISE | 9.94 | 55.24 | 35.82 | 100.00 | |
| SPEAKING RATE | 9,.9 | 60.09 | 32.59 | 100.00 | |
| CONNECTED PROMPTLY TO RECORDED MESSAGE | 8.50 | 44.50 | 47.00 | 100.00 | |
| MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM FSS | 6.18 | 22.16 | 71.66 | 100.00 | |
| MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM FSS | 5.36 | 39.24 | 55.40 | 100.00 | |
| EASE OF COMPREHENSION | 7.46 | 42.27 | 50.27 | 100.00 | |
| USEFULLNESS OF INFORMATION | 6.73 | 18.25 | 75.02 | 100.00 | |
| RESPONSIVE TO YOUR NEEDS | 80.7 | 19.54 | 73.38 | 100.00 | |
| PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | 7.19 | 26.19 | 66.62 | 100.00 | |
| AMOUNT OF UNNECESSARY INFORMATION PROVIDED | 13.23 | 47.48 | 39.28 | 100.00 | |
| TOTAL | 7.90 | 35.17 | 56.93 | 100.00 | |

| | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 |
|---|------------------------------|---------|---------|------------|---------|--------|---|------------------------------|--------|--------|--------|
| ATHAS | TRIAL BETTER
THAN BASIC | 47.88 | 56.70 | 77.66 | 53.30 | 57.02 | ATH A S | TRIAL BETTER
THAN BASIC | 96.09 | 54.28 | 57.02 |
| KEN BASIC AND TRIAL P
ATEGORIZED BY
PILOT LICENSE
-PERCENTAGES- | NO SIGNIFICANT
DIFFERENCE | 38.49 | 35.39 | 33.54 | 97.69 | 95.10 | THEEN BASIC AND TRIAL P
CATEGORIZED BY
WEATHER RATING
-PERCENTAGES- | NO SIGNIFICANT
DIFFERENCE | 33.13 | 36.72 | 35.10 |
| COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORISE
PILOT LIGHNSE
-PERCENTAGES- | BASIC BETTER
THAN TRIAL | 13.63 | 7.91 | 69.9 | 18.8 | 7.48 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY MEATHER RATING PERCENTAGES | BASIC BETTER
THAN TRIAL | 6.53 | 00.6 | 7.88 |
| | TYPE OF PILOT LICENSE | STUBENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL | | TYPE OF WEATHER RATING | IFR. | VF. | 10741 |

COMPARISON BETWEEN BASIG AND TRIAL PATWAS.
CATEGORIZED BY
ENGINE LICENSE
-PERCENTAGES-

| TYPE OF ENGINE LICENSE THAN TRIAL DIFFERENCE THAN BASIC HULTI 6.99 34.14 58.87 100.00 51NGLE 8.03 35.47 56.50 100.00 TOTAL COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORISED BY CATEGORISED CATEGORISED CATEGORISED CATEGORISE AND TRIAL BETTER TOTAL THAN BASIC 100.00 9.30 36.32 100.00 320.04 100.00 320.04 100.00 100.00 100.00 100.00 320.04 100.00 | | | | | | | | | | | | |
|---|------------------------------|--------|--------|--------|-------------------------------------|------------------------------|--------|---------|----------|----------|--------|--------|
| ENGINE LICENSE BASIC BETTER NO SIGNIFICANT TATA BASIC BETTER BASIC AND TRIAL PAT CAMPARISON BETWEEN BASIC AND TRIAL PAT CAMPARISON BETWEEN BASIC AND TRIAL PAT CAMPARISON BETWEEN BASIC AND TRIAL PAT FLYING TIME -PERCENTAGESP | TOTAL | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100,00 | 100.00 | 100.00 |
| ENGINE LICENSE | TRIAL BETTER
THAN BASIC | 58.87 | 56.50 | 57.21 | ATHAS | TRIAL BETTER
THAN BASIC | 55.52 | 58.44 | 59.75 | 53.85 | 59.07 | 56.93 |
| ENGINE LICENSE | NO SIGNIFICANT
DIFFERENCE | 34.14 | 35.47 | 35.07 | BASIC AND TRIAL P. | ND SIGNIFICANT
DIFFERENCE | 36.08 | 33.87 | 34.32 | 36.85 | 33,16 | 35.17 |
| ENGINE LICENSE | BASIC BETTER
THAN TRIAL | 66.9 | 1.03 | 27.7 | COMPARISON BETWEEN
CATEGO
FLY | BASIC BETTER
THAN TRIAL | 07.0 | 7.70 | 5.93 | 9.30 | 7.77 | 7.90 |
| TYPE 01 HULTI SINGLE TOTAL 0-400 401-800 801-1600 1601-3200+ TOTAL | F ENGINE LICENSE | | | | ! | IG TIME(HOURS) | | | | 0 | | |
| | TYPE OF | MULTI | SINGLE | TOTAL | | FLTIN | 0-400 | 401-800 | 801-1600 | 1601-320 | 3200+ | TOTAL |

| GADO HAS IC BETTER NO SIGNIFICANT TRIAL BETTER TOTAL THAN BASIC TOTAL THAN TRIAL THAN TRIAL THAN BASIC TOTAL THAN BASIC TOTAL THAN TRIAL THAN BASIC TOTAL THAN TRIAL THAN BASIC THA | | COMPARISON BETWEEN BASIC AND TRIAL PATHAS CATEGORIZED BY DADC CADC CADC CADC CADC CADC CADC CAD | MEEN BASIC AND TRIAL ! CATEGORIZED BY DADC -PERCENTAGES- | PATHAS | | |
|--|---------------------------------------|---|--|----------------------------|--------|---|
| MGDALE | GADO | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL | |
| ### 126 | FARMINGDALE | 7.37 | 35.14 | 57.49 | 100.00 | |
| COMPARISON BETWEEN BASIC AND TRIAL PATWAS TYPE OF POWER PLANT HOST FREQUENTLY FLOWN -PERCENTAGESPERCENTAGES- THAN TRIAL DIFFERENCE THAN BASIC TAN TAIAL 37.70 52.19 10.11 37.70 52.19 17.90 35.12 56.99 | TETSRBORD | 4.22 | 34.66 | 57.12 | 100.00 | |
| COMPARISON BETHEEN BASIC AND TRIAL PATWAS CATEGORIZED BY ENER PLANT PLANT HOST FREQUENTLY FLOWN -PERCENTAGES- PERCENTAGES- TANN BASIC TANN TRIAL 10.11 37.70 52.19 9.52 7.90 35.12 56.99 | 1 | 7.68 | 34.96 | 57.36 | 100.00 | |
| 7.80 34.73 57.47
10.11 37.70 52.19
9.52 44.06 46.42
7.90 35.12 56.99 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | TYPE OF POWER PLANE | THE PAREGUENTLY CENTAGES- | FLOWN TRIAL BETTER | TOTAL | |
| 10.11 37.70 52.19
9.52 44.06 46.42
7.90 35.12 56.99 | | HAN TRIAL | DIFFERENCE | THAN BASIC | | 1 |
| 10.11 37.70 52.19
9.52 44.06 46.42
7.90 35.12 56.99 | NOT | 7.80 | 34.73 | 57.47 | 100.00 | |
| 9.52 44.06 46.42
7.90 35.12 56.99 | | 10.11 | 37.70 | 52.19 | 100.00 | |
| 7.90 35.12 56.99 | | 9.52 | 44.06 | 46.42 | 100,00 | , |
| | - | 7.90 | 35.12 | \$6.99 | 100.00 | |

| WAS | |
|------------------|----------------------------|
| AND TRIAL PATWAS | ENCE |
| TRIA | OF RESIDEN |
| AND | GES- |
| 1 84510 | T COUNTIES OF PERCENTAGES- |
| BETWEEN BASIC | |
| COMPARISON | DIFFEREN |

| COUNTY OF RESIDENCE | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
|---------------------|----------------------------|------------------------------|----------------------------|--------|
| | | 33.44 | 59.73 | 100.00 |
| | *** | 36.62 | 53.27 | 100.00 |
| ASSAIC | 10.11 | | 50.57 | 100.00 |
| ANHATTAN | 94. | 60.10 | 40.04 | 100.00 |
| RODKEYN | 3.87 | 22.89 | | |
| | 4.72 | 33.45 | 59.83 | 00.001 |
| | 10.29 | 37.50 | 52.21 | 100.00 |
| KUBA | | 0. | •0 | • |
| UNTERDON | | 33.78 | 60.59 | 100.00 |
| COSON | 5.03 | 000 | 60.63 | 100.00 |
| ERGEN | 7.38 | | 47 | 100.00 |
| TCHMOND | 1.46 | 34.08 | 01. | |
| TOULESEX | 6.49 | . 32.03 | ** 10 | |
| 2000 | 7.81 | 32.12 | 90.09 | 100.00 |
| בוסחנים | | 37.20 | 51.69 | 100.00 |
| DRRIS | 11.11 | 3.85 | 55.80 | 100.00 |
| ESTCHESTER | 2.00 | | 28.57 | 100.00 |
| PANGE | 21.05 | 00.00 | 60.45 | 100.00 |
| UFFOLK | 6.63 | | 10.00 | 100.00 |
| CULLIVAN | 2.00 | 90.00 | 50.22 | 100.00 |
| TOCK LAND | 3.92 | | 200 | 100.00 |
| SOMERSET | 20.59 | 60.03 | 40.74 | 100.00 |
| DUTNAM | 2.94 | 0.00 | 9 | 100.00 |
| SSEX | 5.87 | 7 1 1 1 | 00 | 100.00 |
| NON | 10.49 | 37.55 | | |
| X | ċ | 32.35 | 60.70 | 00.001 |
| | · | 41.18 | 58.82 | 00.001 |
| TEX CO. | 0.00 | 30.50 | 59.21 | 100.00 |
| DUTCHESS | | 29.41 | 70.59 | 100.00 |
| JUSTER . | | 34. 06 | 57.36 | 100.00 |

COMPARISON BETHEEN BASIC AND TRIAL PATMAS
CATECORISED BY
DIFFERENT ANNUAL FLYING TIME
-PERCENTAGES-

| BASILSON DIFF | BASIC BETIER NO SIGNIFICANT TRIAL BETTER
THAN TRIAL DIFFERENCE THAN BASIC | 11.55 36.95 34.50 | 11.51 35.72 54.78 | 94.75 94.54 | 1,38 34,80 60,82 | 75.93 59.27 | 11.68 36.60 51.72 | 7.90 | -PERCENTAGESPERCENTAGES- BETTER NO SIGNIFICANT TRIAL | TRIAL DIPFERENCE | 8.62 36.51 54.87 | 7.68 33.43 58.89 | 3.29 32.20 64.51 | 9.60 32.83 57.58 | 9.41 25.00 65.59 | 5.23 38.24 56.54 | |
|---------------|--|-------------------|-------------------|-------------|------------------|-------------|-------------------|------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
|---------------|--|-------------------|-------------------|-------------|------------------|-------------|-------------------|------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATEGORISTO BY
DIFFIRENT TRIAL PATMAS LISTENING
-PERCENTAGES-

| TOTAL | 100.00 | 100.00 | 00.001 | 00.001 | 100.00 | |
|------------------------------|--------------|--------|--------|--------|--------|--|
| | 10 | 1 | 74 | 11 | H | |
| TRIAL BETTER
THAN BASIC | 50.04 | 54.94 | 58.77 | 61.05 | 63.58 | |
| ND SIGNIFICANT
DIFFERENCE | 39.07 | 37.46 | 34.19 | 32.83 | 30.11 | |
| BASIC BETTER
THAN "RIAL | 10.89 | 7.59 | 7.03 | 6.12 | 6.31 | |
| NUMBER OF TIMES | | | | | | |
| NUMBER | \$- 0 | 6-10 | 11-20 | 21-40 | • 0 • | |

REACTIONS TO TRIAL PATHAS STATEMENTS -PERCENTAGES-

| STATEMENT | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL | |
|--|----------|----------|-----------|-------|----------|--------|---|
| TOO MUCH INFORMATION IS PROVIDED | 27.09 | 57.04 | 7.37 | 7.50 | 1.00 | 100.30 | |
| NOT ENDUGH INFORMATION IS PROVIDED | 9.75 | 48.07 | 18.15 | 21.44 | 2.59 | 100.00 | |
| THE INFORMATION PROVIDED IS ACCURATE | 0.75 | 4.92 | 19.60 | 70.65 | 60.4 | 100.00 | |
| THE CONTENT OF THE BRIEFING WAS SATISFACTORY | 99.0 | 7.81 | 70.7 | 78.49 | 16.8 | 100.00 | |
| THE ORDER IN WHICH THE INFORMATION IS | 1.30 | 6.85 | 11.23 | 75.90 | 4.72 | 100.00 | |
| THE INFORMATION IS SUFFICIENT TO MAKE | 3.86 | 15.46 | 17.15 | 54.28 | 9.25 | 100.00 | |
| THE MESSAGE IS TOO LONG | 7.41 | 40.04 | 15.47 | 13.85 | 1.24 | 100.00 | |
| THE MESSAGE IS TOD SHORT | 8.27 | 60.02 | 19.50 | 10.73 | 1 . 48 | 100.00 | |
| THE SPEAKER IS BASY TO UNDERSTAND | 2.21 | 9.10 | 7.24 | 70.83 | 10.62 | 100.00 | |
| THE BACKGROUND NOISE IS SUFFICIENTLY LOW | 3.13 | 10.27 | 41.9 | 71.93 | 7.92 | 100.00 | |
| THE SPEAKER TALKED TOO SLOWLY | 9.24 | 77.29 | 8.98 | 3,83 | 99.0 | 100.00 | |
| THE SPEAKER TALKED TOO FAST | 6.39 | 65.68 | 11.63 | 13.96 | 2.33 | 100.00 | |
| THE RECORDED MESSAGE WAS OBTAINED | 5.49 | 11.40 | 5.05 | 62,38 | 19.68 | 100.00 | |
| IT IS EASY TO COMPREHEND THE INFORMATION | 26.0 | 6.91 | 6.03 | 76,33 | 177 | 100.00 | |
| THE INFORMATION PROVIDES A CLEAR MENTAL | 1.61 | 10.01 | 17.57 | 64.03 | 6.72 | 100.00 | 1 |
| THE NOTAMS AND FLIGHT PRECAUTIONS ARE USEFUL | 0.70 | 2.43 | 6.83 | 67.00 | 23.04 | 100.00 | |
| IT IS HELPFUL TO HAVE THE INFORMATION UPDATED HOURLY | 0.65 | 66.0 | 3.67 | 45.59 | 60.64 | 100.00 | |
| TOTAL | 5.26 | 26.60 | 11.11 | 47.68 | 9.36 | 100.00 | |

| 2 1 2 | | | | |
|-----------|--------|--------|-------------------------|--------|
| SIAIENENS | | | RABLE | |
| DAR A | ED BY | CENSE | DNGLY AGREE . FAVORABLE | AGES- |
| KIAL | EGORIZ | LOT LI | AGREE | FDCFNT |
| S TO | CAT | 9 | STRONGLY | 1 |
| REACTIONS | | | STR | |
| ox. | | | | |

| AGREE STRONGLY TOTAL AGREE | 13.54 100.00 | 67.59 12.98 100.00 | 65,84 14,38 100.00 | 68.57 12.05 100.00 | 67.03 13.40 100.00 | | AGREE STRONGLY AGREE | 12.97 100.00 | 67.13 13,69 100.00 | |
|----------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--|------------------------|--------------|--------------------|--|
| CNCERTAIN | 10.97 | 9.77 6 | 6.63 | 8.39 | 9.83 | TO TRIAL PATHAS STATEMENTS CATECORISED BY MEATHER RAILNG IGLY AGREE = FAVORABLE) - PERCENTAGES | UNCERTAIN | 9.81 | 9.85 | |
| DISAGREE | 7.12 | 7.78 | 7.87 | 9.38 | 7.84 | | DISAGREE | 8.29 | 7.52 | |
| STRONGLY | 1.87 | 1.89 | 2.00 | 1.60 | 1.91 | REACTIONS
(STRO) | STRONGLY | 2.05 | 1.80 | |
| TYPE OF PILOT LICENSE | STUDENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL | | TYPE OF WEATHER RATING | 84. | 8 tt. > | |

| STATEMENTS | <u>.</u> | |
|------------|---------------------------------------|--|
| STAT | ENGINE LICENSE | |
| SATES | CENSE | TAGES |
| RIAL | N N N N N N N N N N N N N N N N N N N | ACRE CON CONTRACTOR CO |
| 1 | E S | NGL4 |
| REACTIONS | | STR |
| REAC | | |

| STRONGLY DISAGREE UNCERTAIN A BISAGREE 1.84 8.26 9.48 6 1.84 7.62 10.00 6 1.85 7.62 10.00 6 1.87:DNGLY DISAGREE FAURABLE) STRONGLY DISAGREE LUCERTAIN 1.95 7.75 10.21 1.95 7.45 9.45 1.84 8.50 9.78 2.60 8.82 9.85 |
|---|
|---|

| REACTIONS TO TRIAL PATHAS STATEMENTS CATEGORIZED BY GADC | (STRONGLY AGREE = FAVORABLE) |
|--|------------------------------|
| | |

| STRONGLY TOTAL AGREE | 13.85 100.00 | 12.88 100.00 | 13.48 100.00 | | | STRONGLY TOTAL | 13.37 100.00 | 14.66 100.00 | 14.55 100.00 | |
|----------------------|--------------|--------------|--------------|--------------------------------------|---|---------------------|--------------|--------------|--------------|------|
| | | | | | | | | | | |
| AGREE | 67.33 | 96.54 | 67.03 | FNTS | Y FLOWN | AGREE | 16.99 | 68.06 | 66.82 | |
| LNCERTAIN | 9.84 | 9.78 | 9.82 | ATHAS STATE | ST FREQUENTI | LNCERTAIN | 6.85 | 8.12 | 9.55 | |
| DISAGREE | 7.45 | 8.31 | 7.78 | REACTIONS TO TRIAL PATMAS STATEMENTS | #YPE OF POWE LAIGUALZED BY (STRONGLY AGREE = FAVORABLE) -PERCENTAGES- | DISAGREE | 7.90 | 8.38 | 6.93 | 7.07 |
| STRONGLY | 1.53 | 5.49 | 1.89 | REACTION | TYPE OF PO | STRONGLY | 1.91 | 0.79 | 2.16 | 1.90 |
| | | | | | | TYPE OF POWER PLANT | | | | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATECORIZED BY
DIFFIRENT COUNTIES OF RESIDENCE
(STRONGLY AGREE IN FOUNDRABLE)
-PERCENTAGES-

| RESIDENCE | DISAGREE | DISAGREE | LNCERTAIN | AGREE | STRUNGLY
AGREE | TOTAL |
|-----------|----------|----------|-----------|--------|-------------------|--------|
| | 1.37 | 8.06 | 9.62 | 65.27 | 15.68 | |
| | 2.61 | 9.16 | 8.06 | 46.97 | 12.60 | |
| | 1.69 | 7.44 | 10.26 | 46.94 | 15.65 | 000 |
| | 1.91 | 9.10 | 10.34 | 44.14 | 200 | 00.00 |
| | 1.69 | 7.86 | | 2 4 | | 100.00 |
| | | 110 | 200 | \$0.00 | 13.41 | 100.00 |
| | | 0.0 | 10.8 | 68.89 | 12.06 | 100.00 |
| | | 10.00 | 10.00 | 80.00 | 0 | 100.00 |
| | 0.78 | 65.6 | 10.62 | 66.84 | 12.18 | |
| | 2.20 | 7.95 | 10.04 | 96.99 | 12.87 | |
| | 0.50 | 7.27 | 11.53 | 72.18 | 2 | 20.00 |
| | 1.83 | 8.03 | 11.55 | 46.74 | 11.02 | 00.00 |
| | 2.82 | 7.14 | 10.66 | 65.03 | 14. 34 | 00.00 |
| | 3.26 | 8.94 | 9.16 | 66.20 | 10.00 | 00.00 |
| | 1.60 | 7.93 | 9.58 | 06.99 | 20.51 | 00.00 |
| | 1.02 | 4.84 | 18.00 | 47 52 | 0 | 00-001 |
| | 1.50 | 47 4 | | 7.0 | 16.11 | 100.00 |
| | | | 10.03 | 64.24 | 12.47 | 100.00 |
| | | 3.03 | 90.9 | 75.76 | 15.15 | 100.00 |
| | 1.83 | 7.78 | 9.38 | 67.96 | 13.04 | 100 |
| | 6.78 | 10.19 | 13.89 | 52.78 | 20.37 | 200 |
| | 10.1 | 90.9 | 10.10 | 62.63 | 20.20 | 000 |
| | 2.80 | 8.57 | 8.04 | 66.00 | 14.40 | 200 |
| | 2.16 | 7.79 | 10.06 | 69.05 | 10.63 | |
| | 5.56 | 1.85 | 9.26 | 74.07 | 40 | |
| | 4.76 | 14.29 | 33,33 | 42.84 | 72. 7 | 00.00 |
| | 1.08 | 49.9 | 12.19 | 7, 7, | | 00.00 |
| | 0.57 | 4.24 | 000 | 11.00 | 14.35 | 100.00 |
| | 00 | 200 | | 10.70 | 10.48 | 100 00 |
| | 04:- | 6/ -/ | 18.6 | 67.02 | 13.48 | 100 |

| TIONS TO TRIAL PATHAS STATEMENTS | CATEGORIZED BY | DIFFERENT ANNUAL FLYING TIME | (STRUNGLY AGREE . FAVORABLE) | |
|----------------------------------|----------------|------------------------------|------------------------------|--|
| REACTIONS | | 0 | (5) | |

| | | | | | | | | | 1 | | | | | | | | | 1. |
|---|----------------------|--------|--------|--------|---------|---------|--------|--------|---|----------------------|--------|--------|--------|---------|---------|--------|--------|----|
| | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100 00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| | STRONGLY | 11.72 | 13.15 | 14.24 | 13,69 | 13.70 | 12.74 | 13,39 | | STRONGLY | 13.21 | 13.84 | 13,69 | 14.12 | 12,79 | 17.71 | 13.39 | |
| | AGREE | 56.87 | 67.92 | 66.29 | 67.08 | 66.16 | 67.74 | 67.00 | S D | AGREE | 67.05 | 66.10 | 68.03 | 63.47 | 76.26 | 69.54 | 67.00 | |
| DIFFERENT ANNAL FLYING TIME (STRONGLY AGREE = FAURABLE) -PERCENTAGES- | LNCERTAIN | 12.79 | 9.82 | 9.65 | 8.37 | 8.72 | 9.52 | 9.83 | REACTIONS TO TRIAL PATHAS STATEMENTS SATECORIED BY DIFFERENT BASIC PATHAS LISTENING (STRONG Y AGREE = FAVORABLE) -PERCENTAGES | UNCERTAIN | 10.05 | 9.74 | 9.44 | 11.49 | 2.74 | 5.58 | 9.83 | |
| FERENT ANNLAL FLY CONCLY AGREE = FAV | DISAGREE | 6.52 | 7.65 | 7.61 | 4.07 | 8.61 | 8.23 | 7.84 | S TO TRIAL PATHAS ATECRAZED BY RENT BASIC PATHAS ONG Y AGREE # FAY | DISAGREE | 7.72 | 8.59 | 9,44 | 7.16 | 4.11 | 60.9 | 7.84 | |
| 10
878) | STRONGLY
DISAGREE | 2.10 | 1.45 | 2.21 | 1.80 | 2.80 | 1.77 | 1.94 | REACTION.
DIFFE | STRONGLY
DISAGREE | 1.97 | 1.73 | 1.39 | 3.77 | 4.11 | 1.02 | 1.94 | |
| | NUMBER OF TIMES | 0-50 | 21-50 | 51-100 | 101-200 | 201-400 | +00+ | TOTAL | | NUMBER OF TIMES | 0-50 | 21-50 | 51-100 | 101-200 | 201-400 | +00+ | TOTAL | |

REACTIONS TO IRIAL PATHAS STATEMENTS
CATEGORISED BY
OIFFERENT TRIAL PATHAS LISTENING
(STRONGL) AGRE = FAUGRABLE)
- PERCENTAGES-

| | | DISAGREE | | AGREE | STRONGLY | TOTAL | 1 |
|-------|------|----------|-------|-------|----------|--------|---|
| 6-0 | 1.97 | 7.32 | 12.34 | 66.53 | 11.84 | 100.00 | |
| 6-10 | 1.65 | 7.97 | 9.45 | 68,36 | 12,38 | 100 00 | |
| 11-20 | 2.37 | 8.87 | 8.61 | 90.89 | 12,09 | 100.00 | |
| 21-40 | 1.61 | 1.00 | 8.66 | 68.07 | 14.57 | 100.00 | |
| +04 | 1.75 | 8.11 | 60.8 | 63.36 | 18.69 | 100.00 | |
| TOTAL | 1.94 | 7.84 | 9,83 | 67.00 | 13,39 | 100.00 | |

JOINT REACTIONS OF ALL RESPONDENTS -- PERCENTAGES-

| 0 |
|----------|
| 10ED |
| PROV |
| 13 |
| ATION |
| INFORMAT |
| MUCH |
| 100 |

| NOT ENDUGH INFORMATION IS PROVIDED STRONGLY DISAGREE DISAGREE UNCERTAIN AGREE AGREE TOTAL | 10410ED 54,30 EE 54,30 E7,48 27,48 77,38 | | O'CER' P. I | | AGREE | |
|---|--|--------------------------|-------------------------------|------------|----------|--------|
| STRONGLY DISAGRE
DISAGREE
UNCERTAIN
AGREE
STRONGLY AGREE
TOTAL | | • | 70 | 8.60 | 4.52 | 100.00 |
| DISACREE
UNCHENTAIN
GREE
AGREE
AGREE
TOTAL | | 63.54 | 4.57 | 11.44 | 0.73 | 100.00 |
| UNCERTAIN
AGREE
STRONGLY AGREE
TOTAL | | 24.00 | 17.68 | 2.18 | • | 00.00 |
| AGRÉE
Strongly Agree
Total | | 64.70 | 5.37 | 1.24 | 17.0 | |
| STRONGLY AGREE
TOTAL | | 13.79 | 1.72 | 3.45 | 1.17 | 00.00 |
| | | 57.34 | 7.27 | 7.10 | 0.97 | 100.00 |
| | JOINT REAC | ALL RESPONDENTS
AGES- | STA | | | |
| | | | THE MESSAGE IS TOO LONG | DILDNG | | |
| | | | | | | |
| | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRUNGLY | TOTAL |
| THE MESSAGE IS TOO SHORT | | | | 94 | 20.00 | 100.00 |
| | | 14.59 | 4.00 | | 172 | 100.00 |
| STRONGLY DISAGREE | | 72.50 | 6.05 | 20.7 | 23 | 100.00 |
| DISAGREE | | 33.49 | 56.88 | | | 100.00 |
| CNOCKA | | 86.92 | 3.80 | 60.4 | 90 | 100.00 |
| AGREE | | 15.15 | 3.03 | | 90.0 | 100.00 |
| STRUNGLY ACKEE | 7.54 | 44.09 | 15.01 | 13.11 | | |
| 1 | JOINT REACTIONS OF ALL RESPONDENTS -PERCENTAGES- | F ALL RESPONDI | ENTS | | | |
| | | Ŧ | THE SPEAKER TALKED TOO SLOWLY | ED 100 SLO | *LY | |
| | STRONGLY | CISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| THE SPEAKER TALKED TOO FAST | | | | | | 00.00 |
| | | 66.4 | 1.40 | 66.9 | 06.4 | 100.00 |
| STRONGLY DISAGE | | 92.78 | 1.28 | 3.98 | 0.27 | 00.00 |
| O T A B G R E E | | 20.28 | 65.02 | 0,76 | 0 | 100.00 |
| ZIVERUCE | | 20.10 | 3.25 | 2.27 | 0.32 | 100.00 |
| 44000 | | 20.00 | 3.93 | 1.96 | 3.92 | 100.00 |
| STRUNGLY AGREE | 52.94 | 77.58 | 4.07 | 3.51 | 0.62 | 100.00 |

QUESTIONNAIRE DATA (FOLLOW-UP)

The questionnaire data obtained from responses to the follow-up mailing are contained in this section. The material is discussed in volume ${\tt I.}$

| CHARACTERISTIC | BASIC BETTER | ND SIGNIFICANT | TRIAL BETTER | TOTAL |
|---|--------------|----------------|--------------|---|
| AMOUNT OF INFORMATION PROVIDED | 150 | 222 | 930 | 1002 |
| ACCURACY OF INFORMATION PROVIDED | 4 | 044 | 434 | 80 |
| ADEQUACY TO SUPPORT A GO/NO-GO DECISION | 103 | 413 | 482 | |
| YOUR SATISFACTION WITH BRIEFING | 122 | 257 | 009 | 64. |
| DROER IN WHICH INFORMATION IS PRESENTED | 115 | 374 | 687 | 978 |
| MESSAGE LENGTH | 137 | 353 | 482 | 972 |
| Q QUALITY OF SPEAKING VOICE | 76 | 510 | 378 | • |
| AMDUNT OF BACKGROUND MOISE | 06 | 550 | 342 | 982 |
| SPEAKING RATE | 9 | 575 | 322 | •83 |
| CONNECTED PROMPTLY TO RECORDED MESSAGE | 76 | 455 | 433 | 982 |
| MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM FSS | 105 | 314 | 554 | 673 |
| MINIMIZES ADDITIONAL ENFLIGHT INFORMATION FROM FSS | 18 | 427 | 450 | 958 |
| EASE OF COMPREHENSION | 98 | 8 7 7 | 643 | 776 |
| USEFULLNESS OF INFORMATION | 76 | 281 | 602 | 770 |
| RESPONSIVE TO YBUR NEEDS | 100 | 302 | 572 | 74. |
| PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | 06 | 366 | 529 | 985 |
| AMOUNT OF UNNECESSABY INFORMATION PROVIDED | 123 | 644 | 347 | 646 |
| | | | | |

| | TOTAL | 1652 | 9012 | 9064 | 090 | 16588 | | TOTAL | 6174 | 10414 | 16588 |
|--|------------------------------|---------|---------|------------|---------|-------|---|----------------------------|------|--------------|-------|
| ATWAS | TRIAL BETTER
THAN BASIC | 844 | 4428 | 2373 | 435 | 9080 | NTWAS | TRIAL BETTER
THAN BASIC | 2994 | 5086 | 8080 |
| COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY PILOT LICENSE | NO SIGNIFICANT
DIFFERENCE | 959 | 3669 | 2146 | 329 | 6768 | BASIC AND TRIAL PASORIZED BY | ND SIGNIFICANT | 2611 | 4157 | 6768 |
| COMPARISON BETWEEN | BASIC BETTER | 184 | 915 | 545 | 96 | 1740 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY WEATHER RATING | BASIC BETTER
THAN TRIAL | 569 | 1711 | 1740 |
| | TYPE OF PILOT LICENSE | STUDENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL | | TYPE OF WEATHER RATING | IFA | 4 1 2 | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY ENGINE LICENSE

| TOTAL | 4372 | 11794 | 16166 | | TOTAL | 8643 | 2293 | 2123 | 1649 | 1631 | 16639 |
|----------------------------|-------|--------|-------|--|------------------------------|-------|---------|----------|-----------|-------|-------|
| TRIAL BETTER
THAN BASIC | 1995 | 5813 | 7808 | PATWAS | TRIAL BETTER
THAN BASIC | 4262 | 1197 | 1043 | 727 | 960 | 6808 |
| NO SIGNIFICANT | 1905 | 4752 | 7599 | BASIC AND TRIAL CORIZED BY YING TIME | NG SIGNIFICANT
DIFFERENCE | 3484 | 606 | 850 | 729 | 824 | 9619 |
| SASIC BETTER
THAN TRIAL | 472 | 1229 | 1701 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY FLYING TIME | HASIC BETTER
THAN TRIAL | 1697 | 187 | 230 | 193 | 247 | 1754 |
| TYPE OF ENGINE LICENSE | MULTI | SINGLE | TOTAL | | FLYING TIME (HOURS) | 004-0 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATECORIZED BY
GADG

| TOTAL | 10269 | 5623 | 15892 | | TOTAL | 15547 | 275 | 869 | 16520 |
|------------------------------|-------------|-----------|-------|--|------------------------------|--------|-------|------|-------|
| TRIAL BETTER
THAN BASIC | 5121 | 2639 | 7760 | ATWAS
FLOWN | TRIAL BETTER | 7601 | 121 | 331 | 8053 |
| NG SIGNIFICANT
DIFFERENCE | 4132 | 2342 | 7279 | OMPARISON BETWEEN BASIC AND TRIAL PATWAS
TYPE OF POWER PLANT MOST FREQUENTLY FLOWN | ND SIGNIFICANT
DIFFERENCE | 6333 | 126 | 268 | 6727 |
| BASIC BETTER
THAN TRIAL | 1016 | 945 | 1658 | COMPARISON BETHEEN BASIC AND TRIAL PATWAS CATEGORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN | BASIC BETTER
THAN TRIAL | 1613 | 28 | 66 | 1740 |
| GABO | FARMINGDALE | TETERBORD | TOTAL | | TYPE OF POWER PLANT | PISTON | TURBO | JE → | TOTAL |

| 24144 | THE MEDI | | ICE. |
|-------|----------|-------|----------|
| | KI AL | | ESTOR |
| 4 | ND | BV | F |
| | 216 | 037 | ES D |
| | N BAN | EGORI | COUNTIES |
| - | ETWEE | 0 | 1 |
| | B Z | | FERE |
| | COMPARIS | | 0 |
| | | | |

| TO STATE OF THE PERSON OF THE | BASIC BETTER | NO SIGNIFICANT | TRIAL BETTER | TOTAL |
|---|--------------|----------------|--------------|---------|
| COUNTY OF MESTORNER | Jan X | DIT ENERGE | | |
| | 141 | 474 | 577 | 1292 |
| | | 235 | 191 | 477 |
| | 10 | 293 | 482 | 0.40 |
| | 7 | 200 | 270 | 553 |
| | * ** | | 1333 | 2724 |
| DANSAN | 597 | 1777 | | 2000 |
| | 37 | 116 | 1 | 220 |
| | 0 | 2 | 1.5 | 1 |
| | 36 | 100 | 66 | 203 |
| | 0 | 566 | 949 | 1331 |
| | | 100 | 143 | 212 |
| | | | 1 1 1 | 4 4 |
| | 09 | 543 | 178 | |
| | 106 | 928 | 279 | 415 |
| | 110 | 316 | 389 | 00 1 00 |
| ou u | | 4 18 | 188.5 | 1188 |
| u v | 200 | 80 % | 800 | 326 |
| | 000 | 4 6 | 400 | 2072 |
| | 141 | 0 |) ii | 75 |
| 7 | 0 | | 7 10 | |
| 0 | 27 | 100 | 100 | 07 |
| | 12 | 69 | 52 | 01 |
| PUTNAM | 13 | 40 | 17 | 11 |
| | 7.5 | 292 | 910 | 98 |
| | | 177 | 1.95 | 77 |
| | | | 0 | 1 |
| | * (| | 27 | 60 |
| | - | 1 0 | | 0 |
| DUTCHESS | 16 | 0 | 7 7 7 | |
| | 23 | 60 | 28 | 01 |
| | 1658 | 6462 | 7734 | 15854 |
| | | | | |
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| | | | | |

| PATWAS | | |
|--------------|----------------|--------|
| TRIAL | | 11 |
| æ | | ING |
| AND | 8 | FLY |
| 21.5 | 12.60 | AL |
| 8 | GO. | ANN |
| BETWEEN | CATEGORIZED BY | FERENT |
| DMP AR I SON | | 015 |
| AMD | | |

| NUMBER OF TIMES . THAN TRIAL DIFFERENCE | 7211 299 | 366 1688 | 513 1906 | 293 1126 | 174 504 | 109 | 1754 6796 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY OIFFERENT BASIC PATWAS LISTENING | BASIC BETTER NO SIGNIFICANT NUMBER OF TIMES THAN TRIAL DIFFERENCE | 1312 4810 | 284 1200 | 105 455 | 19 168 |
|---|----------|----------|----------|----------|---------|-----|-----------|---|---|-----------|----------|---------|--------|
| ANT TRIAL BETTER
THAN BASIC | 1353 | 2340 | 2289 | 1227 | 477 | 403 | 8089 | IAL PATMAS
STENING | ANT TRIAL BETTER | 5705 | 1460 | 527 | 180 |
| TOTAL | 2779 | 7667 | 4708 | 5646 | 1155 | 756 | 16639 | | TOTAL | 11827 | 5944 | 1087 | 367 |

400+ TOTAL

| TOTAL | 1784 | 1745 | 1764 | 1761 | 1765 | 1787 | 1749 | 1719 | 1788 | 1767 | 1741 | 1746 | 1784 | 1757 | 1788 | 1785 | 1001 | 30031 | 19547 |
|----------------------|----------------------------------|------------------------------------|--------------------------------------|--|---------------------------------------|---|---|------|-----------------------------------|--|-------------------------------|-----------------------------|-----------------------------------|------|---|--|--|-------|---|
| STRONGLY | 50 | 1 | 1,1 | 9.5 | 1,1 | 145 | 39 | 1.1 | 101 | 115 | ٥ | 36 | 218 | 118 | 76 | 410 | 414 | 2436 | 2274 |
| AGREE | 138 | 327 | 1225 | 1363 | 1323 | 427 | 241 | 151 | 1257 | 1280 | 36 | 270 | 1135 | 1326 | 1086 | 11177 | 870 | 14152 | 12969 |
| UNCERTAIN | 252 | 404 | 368 | 174 | 245 | 366 | 607 | 462 | 170 | 193 | 251 | 293 | 162 | 195 | 004 | 153 | 117 | 4614 | 2543 |
| DISAGREE | 1052 | 408 | 16 | 116 | 108 | 305 | . 696 | 862 | 160 | 139 | 1295 | 1059 | 183 | 103 | 182 | 38 | 23 | 7887 | 1450 |
| STRONGLY
DISAGREE | 322 | 166 | o | 14 | 18 | 1, | 66 | 127 | 0, | 0, | 133 | 80 | 98 | 15 | 56 | 7 | 12 | 1242 | |
| STATEMENT | TOD HUCH INFORMATION IS PROVIDED | NOT ENDUGH INFORMATION IS PROVIDED | THE INFORMATION PROVIDED IS ACCURATE | THE CONTENT OF THE BRIEFING WAS SATISFACTORY | THE DROER IN WHICH THE INFORMATION IS | PRESENTED IS SATISFACTORY THE INFORMATION IS SUFFICIENT TO MAKE | A DECISION TO FLY OR NOT TO FLY THE MESSAGE 15 TOO LONG | | THE SPEAKER IS EASY TO UNDERSTAND | THE BACKGROUND NOISE IS SUFFICIENTLY LOW | THE SPEAKER TALKED TOO SLOWLY | THE SPEAKER TALKED TOO FAST | THE RECORDED MEDSAGE WAS DBTAINED | | THE INFORMATION PROVIDES A CLEAR MENTAL | PICTURE OF THE WEATHER NOTAMS AND FLIGHT PRECE | IT IS MELPFUL TO MAVE THE INFORMATION UPDATED HOURLY | TOTAL | HOTHE STARMSTATA SALTA IN ST. 124 CT. 124 CT. |

| TYPE OF PILOT LICENSE DISAGREE UNCERTAIN AGREE STRONGLY TOTAL STUDENT 35 182 427 1507 271. 2422 PRIVATE 167 812 1336 7320 1313 10948 COMMERCIAL 89 380 672 3478 562 \$201 AIRLINE 20 74 102 641 106 943 TOTAL 311 1448 2537 12946 2272 18914 TOTAL 257RONGLY AGREE RATING (STRONGLY AGREE RAUGHE) IFR 119 505 802 4300 713 8439 TOTAL 311 1448 2537 12946 2272 19914 TOTAL 311 1448 2537 12946 1559 13075 TOTAL 311 1448 2537 12946 1559 13075 | | REACTIO | TIONS TO TRAIL PARTAS STATEM
CATECORTING BY
CATECORTING BY
PICOT LICENSE
(STRONGLY AGREE = FAVORABLE) | REACTIONS TO TRIAL PATHAS STATEMENTS CATECORIZED BY PICTOT LICENSE (STRONGLY AGREE = FAVORABLE) | 2 | | |
|--|------------------------|----------|---|---|-------|----------|-------|
| 35 182 427 1507 271. 167 812 1336 7320 1313 11 20 74 102 641 106 311 1448 2537 12946 2272 11 REACTIONS TO TRIAL PATMAS STATEMENTS (STRONGLY AGREE = FAVORABLE) STRONGLY DISAGREE UNCERTAIN AGREE STRONGLY 01586REE 119 505 802 4300 713 119 192 943 1735 8646 1559 11 | TYPE OF PILOT LICENSE | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| 167 812 1336 7320 1313 1 20 74 102 641 106 311 1448 2537 12946 2272 1 REACTIONS TO TRIAL PATMAS STATEMENTS (STRONGLY AGREE = FAUGRABLE) STRONGLY DISAGREE LNCERTAIN AGREE STRONGLY DISAGREE 1735 8646 1559 1 119 943 1735 8646 2272 1 | STUDENT | 35 | 182 | 427 | 1507 | 172 | 2422 |
| 89 380 672 3478 582 20 74 102 641 106 311 1448 2537 12946 2272 11 REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY WEATHER RAING (STRONCLY AGREE = FAVORABLE) STRONCLY DISAGREE LNCERTAIN AGREE STRONGLY DISAGREE 119 505 802 4300 713 119 505 12946 2272 11 | PRIVATE | 167 | 812 | 1336 | 7320 | 1313 | 10948 |
| 20 74 102 641 106 311 1448 2537 12946 2272 1 REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY WEATHER RAING (STRONGLY AGREE = FAVORABLE) STHONGLY DISAGREE UNCERTAIN AGREE STRONGLY DISAGREE 119 505 802 4300 713 119 505 1735 8646 1559 11 311 1448 2537 12946 2272 11 | COMMERCIAL | 6 | 380 | 672 | 3478 | 582 | 1029 |
| REACTIONS TO TRIAL PATHAS STATEMENTS CATEGORIZED BY WEATHER RAING (STRONGLY AGREE = FAVORABLE) STRONGLY DISAGRE 119 505 802 4300 713 119 505 8043 1735 8646 1559 1 | AIRLINE | 20 | 7.4 | 102 | 149 | 106 | 676 |
| REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY MEAHER RAING (STRONGLY AGREE = FAVORABLE) STRONGLY DISAGREE LNCERTAIN AGREE 119 805 802 4300 713 119 943 1735 8646 1559 1 | TOTAL | 311 | 1448 | 2537 | 12946 | 2272 | 10914 |
| REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY WEATHER RATING (STRONGLY AGREE = FAVORABLE) STRONGLY DISAGREE UNCERTAIN AGREE STRONGLY DISAGREE 119 505 802 4300 713 119 505 8046 1559 1 311 1448 2537 12946 2272 1 | | | | | | | |
| (STRONGLY AGREE = FAVORABLE) STRONGLY DISAGREE 10 10 10 10 10 10 10 10 10 | | REACTIO | NS TO TRIAL P
CATEGORIZ
WEATHER R | ATMAS STATEME!
ED BY
ATING | SLZ | | |
| STRONGLY DISAGREE LNCERTAIN AGREE STRONGLY DISAGREE 119 505 802 4300 713 192 943 1735 8646 1559 131 1448 2537 12946 2272 1 | | (57 | RUNGLY AGREE | - FAVORABLE) | | | |
| 119 505 802 4300 713
192 943 1735 8646 1559 1
311 1448 2537 12946 2272 1 | TYPE OF WEATHER RATING | | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
| 192 943 1735 8646 1559
311 1448 2537 12946 2272 | IFR | | 505 | 802 | 0067 | 713 | 6649 |
| 311 1448 2537 12946 2272 | VF. | | 676 | 1735 | 9646 | 1559 | 13075 |
| | TOTAL | | 1448 | 2537 | 12946 | 2722 | 10514 |

V

| | | | | | | | | | | | | | | | | 4 44 | |
|--|--|--|--|------------------------|-------|--------|-------|--------------------------------------|--|---------------------|-------|---------|----------|-----------|-------|-------|--|
| | | | | TOTAL | 4531 | 14424 | 10955 | | | TOTAL | 11484 | 2432 | 5002 | 1560 | 1977 | 19947 | |
| | | | | STRONGLY | 496 | 1705 | 2201 | | | STRONGLY | 1448 | 256 | 540 | 129 | 102 | 2274 | |
| | | | 2 | AGREE | 6162 | 9656 | 12577 | 2 | | AGREE | 1651 | 1692 | 1353 | 1088 | 1345 | 12969 | |
| | | | REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
ENGINE LICENSE
(STRONGLY AGREE * FAVORABLE) | UNCERTAIN | 265 | 1869 | 2461 | REACTIONS TO TRIAL PATHAS STATEMENTS | FLYING TIME (STRONGLY AGREE - FAVORABLE) | LNCERTAIN | 1516 | 285 | 286 | 201 | 255 | 2543 | |
| | | | CATECORIZ
CATECORIZ
ENGINE LI | DISAGREE | 373 | 1042 | 1415 | CATRIAL P | FLYING TIME | DISAGREE | 851 | 166 | 174 | 115 | 144 | 1450 | |
| | | | REACTIONS
(STRON | STRONGLY | 16 | 210 | 301 | REACTIONS | ISTRON | STRONGLY | 178 | 33 | 1, | 7.2 | 32 | 311 | |
| | | | | TYPE OF ENGINE LICENSE | MULTI | SINGLE | TOTAL | | | FLYING TIME (HOURS) | 004-0 | 401-800 | 801=1600 | 1601-3200 | 3200+ | TOTAL | |
| | | | | | | | | | | | | | | | | i | |

REACTIONS TO TRIAL PATWAS STATEMENTS
CATEGORIED BY
DIFFERENT COUNTIES OF RESIDENCE
(STRONGLY AGREE = FAUDRABLE)

1 7

| | 2 2 2 2 2 2 | DISAGRE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
|---------------------|-------------|---------|-----------|-------|----------|-------|
| COUNTY OF RESIDENCE | DISAGRE | | | | AGREE | |
| | | • | 116 | 897 | 214 | 1296 |
| OUFENS | 12 | * | | 346 | 58 | 342 |
| DACSATC | 12 | 28 | 0 | 9 | 841 | 1033 |
| 24141741 | 1.0 | 9 | 471 | 0 . | | 8 . 4 |
| | 1 | 5.1 | 90 | 1,4 | | |
| BROOKEYN | • | | 361 | 1953 | 325 | 2870 |
| NASSAU | 33 | 507 | | 193 | 27 | 270 |
| XXLX | n | | 04 | | • | 22 |
| No Court | 0 | ~ | • | | , , | 200 |
| TON EXPON | | | 22 | 137 | 71 | 2 |
| HUDSON | • | | 216 | 1156 | 150 | 1700 |
| BERGEN | 0, | 0 | | 167 | 54 | 240 |
| CNCATCLO | o | 21 | | | | 707 |
| | 7. | 18 | . 67 | 104 | • 1 | |
| MIDDLESEA | | 74 | 150 | 264 | 61 | |
| HONNOCHH | 7.7 | * 1 | 113 | 756 | 128 | 1085 |
| MORRIS | 91 | 2 | 71. | 9 70 | 163 | 1397 |
| LECTCHESTER | 17 | 96 | | | . , | 167 |
| | • | 17 | 0 | 667 | 100 | |
| DEANCE | 35 | 100 | 337 | 1664 | 54.7 | 200 |
| SUFFOLK | CF | | - | 32 | 0 | 3.5 |
| SULLIVAN | • | > • | 4 | 284 | 64 | 433 |
| ROCKLAND | 3 | 92 | 5 1 | 7.8 | 11 | 108 |
| SOMERSET | - | * 1 | | 04. | 4.2 | 210 |
| MANTO | • | • | | | 120 | 645 |
| ESSEX | 28 | | 121 | 146 | 7. | 582 |
| | • | 39 | 10 | 000 | • • | 22 |
| 20120 | | 0 | 2 | 801 | 7: | 1.5 |
| SUSSEX | | • | 13 | 43 | 13 | |
| MERCER | 2 | | | 225 | 31 | 352 |
| DUTCHESS | - | C . | | 158 | 23 | 592 |
| III CTFR | 2 | * | | | 2183 | 18693 |
| TOTAL | 292 | 1367 | 2408 | 64471 | | • |
| | | | | | | |

REACTIONS TO TRIAL PATMAS STATEMENTS
CAFEGRAZED BY
DIFFERENT ANNUAL FLYING TIME
(STRONGLY AGREE \* FAVORABLE)

| NUMBER OF TIMES | STRUNGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
|-----------------|--------------|---------------------------------------|---|-------|----------|-------|
| | 10.00 | | | | AGREE | |
| 0-20 | 6, | 219 | 682 | 2381 | 389 | 3719 |
| 21-50 | 62 | 385 | 969 | 3583 | 592 | 5320 |
| 51-100 | 88 | 412 | 165 | 3645 | 181 | 19467 |
| 101-200 | 11 | 259 | 288 | 1909 | 311 | 2838 |
| 201-400 | 20 | 9.6 | 118 | 786 | 124 | 1136 |
| +00+ | 22 | 87 | . 166 | 999 | 127 | 1067 |
| TOTAL | 311 | 1450 | 2543 | 12969 | 2274 | 19547 |
| | | | | | | |
| | DIFE
(STR | VS TO TRIAL P CATEGORIZ ERENT BASIC P | REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY DIFFERENT BASIC PATMAS LISTENING (STRONGLY AGREE = FAVORABLE) | S + 0 | | |
| NUMBER OF TIMES | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| 0-50 | 242 | 1152 | 2227 | 27401 | 1.033 | |

| TOTAL | 16119 | 2141 | 745 | 262 | 174 | 106 | 19547 |
|-----------------|-------|-------|--------|---------|---------|------|-------|
| STRONGLY | 1823 | 60€ | 26 | 2.1 | 17 | 12 | 2274 |
| AGREE | 10675 | 1404 | 520 | 193 | 110 | 67 | 12969 |
| UNCERTAIN | 2227 | 208 | 36 | 56 | 14 | 12 | 2543 |
| DISAGREE | 1152 | 184 | 58 | 15 | 53 | 12 | 1450 |
| | 242 | 36 | 19 | | • | . 3 | 311 |
| NUMBER OF TIMES | 0-50 | 21-50 | 51-100 | 101-200 | 201-400 | +007 | TOTAL |
| | | | | | | | |

REACTIONS TO TRIAL PATMAS STATEMENTS
CATEGORIZED BY
DIFFERENT TRIAL PATMAS LISTENING
(STRONGLY AGREE = FAVORABLE)

| LY 707AL | | | 9 3755 | | | |
|-----------------|------|------|--------|-------|------|-------|
| STRONGLY | 74 | 45 | 54 | 32 | 59 | 227 |
| AGREE | 6687 | 2714 | 5609 | 1451 | 1296 | 12969 |
| UNCERTAIN | | | | | | |
| DISAGREE | 580 | 304 | 275 | 155 | 136 | 1450 |
| STRONGLY | 123 | 90 | 07 | 41 | 27 | 311 |
| NUMBER OF TIMES | 8-0 | 6-10 | 11-20 | 21-40 | +04 | TOTAL |

| FRTAIN AGREE STRONGLY 28 92 3 101 12 1 220 5 102 1 220 13 220 13 220 13 THE MESSAGE IS TOD LONG ENTAIN AGREE STRONGLY AGREE STRONGLY 10 10 10 10 10 10 AGREE ATRINGLY RTAIN AGREE ATRINGLY |
|--|
|--|

| | | | | | | | 15. | 3 | | 9 |
|---|-------------------|------------------------|-----------------------|-------|--|----------------------------------|-----------|------------------------|-----------------------|-------|
| | TOTAL | 1848 | 1529 | 3377 | | | CONTACTS | 1313 | 803 | 2116 |
| NOIL | • | | | | | | HORE THAN | 28 | 13 | 4.1 |
| ITIONAL INFORMA | FSS CONTACTED YES | 1313 | 803 | 2116 | | TS WHEN MADE | BETWEEN 6 | 53 | ٥ | 95 |
| CONTACT OF THE FSS FOR ADDITIONAL INFORMATION AFTER LISTENING TO THE TRIAL PATHAS | FSS CO. | 533 | 726 | 1261 | | LENGTH OF FSS CONTACTS WHEN MADE | BETWEEN 1 | 986 | 298 | 1254 |
| CONTAC | | CONTACT | DNTACT | | | | LESS THAN | 276 | 683 | 759 |
| | | PRE-FLIGHT PSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL | | | | PRE-FLIGHT FSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL |

| CHARACTERISTIC . | BASIC BETTER
THAN TRIAL | ND SIGNIFICANT | TRIAL BETTER | TOTAL |
|--|----------------------------|----------------|--------------|--------|
| | | 71.00 | 62.87 | 100.00 |
| AMOUNT OF INFORMATION PROVIDED | 14.97 | 97.77 | | |
| ACCURACY OF INFERMATION PROVIDED | 05.8 | 47.57 | 43.93 | 100.00 |
| NOTSIGNO DE LENVOS A LECCOSTA CONTRA | 10.32 | 41.38 | 48.30 | 100.00 |
| ADECIDE TO SOUTH THE METER TANK | 12.46 | 26.25 | 61.29 | 100.00 |
| COOC SELECTION IN THE PERSONAL OF THE PERSONAL | 11.76 | 38.24 | 20.00 | 100.00 |
| | 14.09 | 36.32 | 65.67 | 100.00 |
| MESSAGE LENGT | 9.37 | 51.93 | 38.49 | 100.00 |
| QUALITY OF SPEAKING VOICE | 9.16 | 56.01 | 34.83 | 100.00 |
| AMBUNT OF BACKGROUND NOISE | 37.8 | 58.49 | 32.76 | 100.00 |
| SPEAKING RATE | | | 90 77 | 100.00 |
| CONNECTED PROMPTLY TO RECORDED MESSAGE | 9.57 | 46.33 | | |
| MINISTER ADDITIONAL PREFLIGHT INFORMATION FROM FSS | 10.79 | 32.27 | 56.94 | 100.00 |
| THE TANK ADDITION AT THE TONE TANK PSS | 8.46 | 44.57 | 46.97 | 100.00 |
| | 08.8 | 45.85 | 45.34 | 100.00 |
| | 9.62 | 28.76 | 61.62 | 100.00 |
| USEFULLNESS OF INTURNITION | 16.27 | 31.01 | 58.73 | 100.00 |
| | | 11 16 | 53.71 | 100.00 |
| PROVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | 9.14 | 01.16 | | |
| AMPLINT OF UNNECESSARY INFORMATION PROVIDED | 12.96 | 20.47 | 36.56 | 100.00 |
| | 10.54 | 40.84 | 48.61 | 100.00 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
PROFILE OF PR

| 10 SIGNIFICANT TRIAL BETTER 10 SIGNIFICANT TRIAL BETTER 40.71 40.13 42.38 46.86 38.26 50.58 40.80 68.71 NO SIGNIFICANT TRIAL BETTER NO SIGNIFICANT TRIAL BETTER 42.29 48.89 |
|--|
| |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORITED BY
ENGINE LICENSE
-PERCENTAGES-

| ### PRICE NO SIGNIFICANT TRIAL BETTER #### PASIC BETTER NO SIGNIFICANT THAN BASIC 49.29 ################################## | TOTAL | 100.001 | 100.00 | 100.00 | | TOTAL | 100.001 | 100.00 | 100.001 | 100.00 | 100.00 | 100.00 | |
|--|---------------------------------------|---------|--------|--------|---|----------------------------|---------------------|--------|---------|----------|-----------|--------|-------|
| LYING TIME (HOURS) | TRIAL BETTER
THAN BASIC | 45.63 | 49.29 | 48.30 | TMAS | TRIAL BETTER
THAN BASIC | 49.31 | 52.20 | 49.13 | 44.09 | 44.34 | 48.61 | |
| LYING TIME (HOURS) | NO SIGNIFICANT | 43.57 | 40.29 | 41.18 | BASIC AND TRIAL PA
ORIZED BY
ING TIME
(CENTAGES- | NO SIGNIFICANT | 16.04 | 4 | 40 | 44 21 | 42.67 | 48.04 | |
| LYING TIME (HOURS) | | | 10.80 | 10.42 | COMPARISON BETWEEN CATES | BASIC BETTER
THAN TRIAL | | 10.38 | 8.16 | 10.83 | 11.70 | 12.79 | 10.04 |
| | N N N N N N N N N N N N N N N N N N N | | MULTI | SINGLE | | | FLYING TIME (HOURS) | 004-0 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

| | | TOTAL | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | | | | | |
|------|---|----------------------------|-------------|-----------|--------|---|------------------------------|--------|--------|--------|--------|--|--|---|--|--|
| | TWAS | TRIAL BETTER
THAN BASIC | 49.87 | 40.93 | 48.83 | FLOWN | TRIAL BETTER
THAN BASIC | 68.84 | 44.00 | 47.42 | 48.75 | | | | | |
| | REN BASIC AND TRIAL PA
ATECORIZED BY
CADO
PPERCENTAGES- | NO SIGNIFICANT | 40.24 | 41.65 | 40.74 | ASIC AND TRIAL PA'
RIZED BY
MOST. FREQUENTLY I | ND SIGNIFICANT
DIFFERENCE | 40.73 | 45.82 | 38.40 | 40.72 | | | | | |
| | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY CADO ADD -PERCENTAGES- | BASIC BETTER | 68.6 | 11.42 | 10.43 | COMPARISON BETWEEN BASIC AND TRIAL PATHAS CATECORILED BY TYPE OF POWER PLANT MOST. FREQUENTLY FLOWN | BASIC BETTER
THAN TRIAL | 10.97 | 10.18 | 14.18 | 10.53 | | | | | |
| | 15 | 6400 | FARMINGDALE | TETERBORO | TOTAL | | TYPE OF POWER P.ANT | PISTON | TURBO | JET | TOTAL | | | | | |
| £] = | | | | | | 10-21 | | | | | | | | - | | |

COMPARISON BETHER BASIC AND TRIAL PATHAS
CATEGORIZED BY
DIFFERENT COUNTERS OF RESIDENCE

| COUNTY OF RESIDENCE | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT | TRIAL BETTER | TOTAL | |
|--|----------------------------|----------------|--------------|---------|---|
| 22 | | | | | |
| 00EKN3 | 10.91 | 36.69 | 52.40 | 100.00 | |
| 740047 | 10.69 | 49.27 | 40.04 | 100.00 | |
| ZA Z | 8.28 | 34.67 | 37.04 | 100.00 | |
| מאחמא | 13.38 | 37,79 | 48.82 | 100.00 | |
| DAVIE | 9.72 | 41.36 | 48.92 | 00.00 | |
| BAUAA | 16.82 | 50.91 | 32.27 | 100.00 | |
| NOW THE WORLD | • | 11.76 | 88.24 | 100.00 | |
| NO COL | 12.81 | 38.42 | 48.77 | 100-00 | |
| S S S S S S S S S S S S S S S S S S S | 46.8 | 42.52 | 48.53 | 100-00 | |
| KICHUNG | 1.89 | 30.66 | 67.45 | 00.001 | |
| MIDDLESEX | 9.52 | 38.57 | 51.90 | 100.001 | |
| 1 00000 | 13.02 | 40.42 | 46.50 | 100.00 | |
| STRAIN | 13.50 | 38.77 | 47.73 | 0000 | |
| MESICHES EX | 10.52 | 40.24 | 49.24 | 100.00 | |
| 200 | 9.20 | 42.33 | 48.47 | 100.00 | |
| A 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.22 | 43.19 | 47.59 | 100.00 | |
| 2000 | · | 26.47 | 73.53 | 100.00 | |
| 2000 | 9.41 | 36.59 | 54.01 | 100.00 | , |
| SUMPRISE OF THE PROPERTY OF TH | 11.76 | 63.73 | 24.51 | 100.00 | |
| | 11.02 | 54.24 | 34.75 | 100.00 | |
| COURT OF THE PERSON OF THE PER | 10.93 | 42.57 | 46.30 | 100.00 | |
| NO. | 15.84 | 40.05 | 44.12 | 100.00 | |
| A COOL | 23.53 | 17.65 | 58.82 | 100.00 | |
| A CALLERY | 10.59 | 37.65 | 51.76 | 100.00 | |
| SOLICITION | 8.21 | 34.87 | 56.92 | 100.00 | |
| OLSTER | 13.69 | 51.79 | 34.52 | 00000 | |
| TUTAL | 10.46 | 40.76 | 48.78 | 100.00 | |
| | | | | | |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATECORIZED BY
DIREPRENT ANNUAL FLYING TIME

1

| | | | | | | 1 | | | | | | | | | | | |
|---|------------------------------|--------|--------|--------|---------|---------|---------|---------------|--|------------------------------|--------|--------|--------|--------|---------|---------|---------------|
| | TOTAL | 100.00 | 100.00 | 100.00 | 100.001 | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| | TRIAL BETTER
THAN BASIC | 48.69 | 53.25 | 48.62 | 46.37 | 41.30 | 42.11 | 48.61 | Y WAS | TRIAL BETTER | 48.24 | 49.59 | 48.48 | 49.05 | 56.18 | 45.58 | 48.62 |
| DIFFERENT ANNUAL TELLING | ND SIGNIFICANT
DIPFERENCE | 40.55 | 38.42 | 84.04 | 42.55 | 43.64 | 46.50 | 40.04 | BASIC AND TRIAL PAGENZED BY SIC PATHAS LISTENIT | NO SIGNIFICANT
DIFFERENCE | 79.04 | 40.76 | 4 | 900 | 37.83 | 42.18 | 40.84 |
| O I A B A B A B A B A B A B A B A B A B A | BASIC BETTER
THAN TRIAL | 5 | 0.01 | 0 0 | 26.01 | 10:11 | 11.39 | 10.54 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CAFEGORIZED BY CAFEGORIZED BY CAFEGORIZED BY CAFEGORIZED AND CONTRACTOR BASIC PATWAS LISTENING -PERCENTAGES- | BASIC BETTER
THAN TRIAL | | 10.11 | 60.6 | 99.6 | 5.18 | 66.5 | 10.54 |
| | NUMBER OF TIMES | | 02-0 | 21-50 | 51-100 | 101-200 | 201-400 | 400+
TDTAL | | NUMBER OF TI 4ES | | 0-50 | 21-50 | 51-100 | 101=200 | 201-400 | 400+
T0TAL |

10-23

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
DIFFERENT TRIAL PATWAS LISTENING
PERCENTAGES-

| NUMBER OF TIMES | BASIC BETTER
THAN TRIAL | NO SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
|-----------------|----------------------------|------------------------------|----------------------------|--------|
| | | | | |
| | 00.71 | 44.20 | 43.00 | 100.00 |
| | 10.64 | 40.53 | 48.83 | 100.00 |
| | 9.10 | 37.85 | 92.39 | 100.00 |
| +04 | 8.55 | 40.45 | 51.01 | 100.00 |
| | 7.35 | 36,89 | 55.76 | 100.00 |
| | 10.54 | 40.84 | 48.61 | 100.00 |

| STATEMENTS | |
|------------|-------------|
| PATHAS | TACEC |
| TRIAL | PERCENTAGES |
| 2 | • |
| EACTIONS | |

i

| TOO MUCH INFORMATION 15 PROVIDED 19.05 58.97 14,13 7,74 1.12 100.00 | STATEMENT | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
|--|--|----------|----------|-----------|-------|----------|--------|
| THE INFORMATION 15 PROVIDED 15 ACCURATE 0.51 46.07 23.15 18.74 2.52 THE INFORMATION PROVIDED 15 ACCURATE 0.60 6.70 9.08 77.40 6.02 THE CONTENT OF THE BRIEFING MAS SATISFACTORY 0.80 6.70 9.08 77.40 5.22 THE CONTENT OF THE BRIEFING MAS SATISFACTORY 0.80 6.70 9.08 77.40 5.22 THE CONTENT OF THE BRIEFING MAS SATISFACTORY 0.80 6.70 9.08 8.78 8.11 1.02 THE MESSAGE 15 TOO LONG NOT TO MAKE 15.40 17.07 20.48 8.78 8.18 11.10 THE MESSAGE 15 TOO LONG NOT TOO MAS TO | | 18.05 | 58.97 | 14.13 | 7.74 | 1.12 | 100.00 |
| THE CONTENT OF THE BRIEFING WAS SATISFACTORY 0.80 6.70 9.88 77.40 3.22 THE CONTENT OF THE BRIEFING WAS SATISFACTORY 0.80 6.70 9.88 77.40 3.22 THE DADER IN WHICH THE INFORMATION IS DATES TO USE 0.12 13.88 74.96 4.02 THE RESIDANCE IS TOO UNDERSTAND 2.24 8.95 9.51 70.30 8.00 THE SPEAKER TALKED TOO SLOWLY 7.64 74.36 14.42 3.22 THE SPEAKER TALKED TOO FAST THE INFORMATION 0.85 5.86 11.10 77.30 8.00 THE SPEAKER TALKED TOO FAST THE SPEAKER TALKED TOO FAST THE SPEAKER TALKED TOO SLOWLY 7.64 6.00.65 16.78 15.46 5.12 THE RECORDER MESSAGE WAS GRAINED 4.82 10.26 9.08 63.02 12.22 THE RECORDER MESSAGE WAS GRAINED 4.82 10.42 3.22 0.34 THE SPEAKER TALKED TOO FAST THE INFORMATION 0.85 5.86 11.10 75.47 6.72 THE SPEAKER TALKED TOO FAST THE INFORMATION 0.85 5.86 11.10 75.47 6.72 THE SPEAKER TALKED TOO FAST THE INFORMATION 0.85 5.86 11.10 75.47 6.72 THE INSOMALITY AFFER DALLNG THE INFORMATION 0.00 7.11 8.50 4.81.11 THE SPEAKER TALKED TOO MESSAGE WAS GRAINED 4.82 10.18 6.50 4.83.1 43.25 THE INSOMALITY AFFER TOO FAST THE INFORMATION 0.00 7.11 8.50 4.87 6.50 4.83.1 43.25 THE INSOMALLY THE INFORMATION 0.00 7.11 8.50 4.71 2 8.11 | - | 9.51 | 46.07 | 23,15 | 18.74 | 2.52 | 100.00 |
| THE CONTENT OF THE BRIEFING WAS SATISFACTORY 0.80 6.70 9.88 77.40 9.22 THE CHARATION OF THE BRIEFING WAS SATISFACTORY 1.02 6.12 13.88 74.96 4.02 THE STATE OF THE INFORMATION IS SATISFACTORY 1.02 6.12 13.88 74.96 4.02 THE STATE OF THE ST | THE INFORMATION PROVIDED IS ACCURATE | 0.51 | 5.16 | 20.86 | 74.69 | 4.02 | 100.00 |
| THE GROEN IN WHICH THE INFORMATION IS 1.02 6.12 13.88 74.96 4.02 THE GROEN IN WHICH THE INFORMATION IS ALTISFACTORY TO "AKE INFORMATION IS SUFFICIENT TO "CO. 2.24 8.99 9.51 70,30 9.00 THE SPEAKER IS EASY TO UNDERSTAND 2.24 8.99 9.51 10.92 72,44 6.51 THE SPEAKER IS EASY TO UNDERSTAND 2.24 8.99 9.51 10.92 72,44 6.51 THE SPEAKER IS EASY TO UNDERSTAND THE SPEAKER TALKED TOO FAST THE SECRETURED THE INFORMATION PROVIDES A CLEAR FENTAL INFORMATION OF SIGNATURED THE INFORMATION OF | THE CONTENT OF THE BRIEFING WAS SATISFACTORY | 0.80 | 6.70 | 9.88 | 77.40 | \$.22 | 100.00 |
| THE STANDARY TOWN 15 SUFFICIENT TO MAKE 5.49 17.07 20.48 51.87 8 11 70.7 20.48 1.87 8 11 70.7 20.48 1.87 8 11 70.7 20.48 1.87 8 11 70.7 20.48 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 1.87 8 11 70.70 8 | THE DROER IN WHICH THE INFORMATION IS | 1.02 | 6.12 | 13.88 | 74.96 | 4.02 | 100.00 |
| THE MESSAGE IS TOO LONG THE MESSAGE IS TOO LONG THE MESSAGE IS TOO LONG THE MESSAGE IS TOO SHORT THE SPEAKER IS EASY TO UNDERSTAND THE SPEAKER IS EASY TO UNDERSTAND THE SPEAKER TALKED TOO FAST TOO COMPREHEND THE INFORMATION THE SPEAKER TALKED TOO FAST TOO COMPANDED TOO TOO TOO TOO TOO TOO TOO TOO TOO TO | CIENT TO | 2.46 | 17.07 | 20.48 | 51,87 | 11 | 100.00 |
| THE SPEAKER IS EASY TO UNDERSTAND THE SPEAKER IS EASY TO UNDERSTAND THE BACKGROUND NGISE IS SUFFICIENTLY LOW THE SPEAKER TALKED TOO SLOWLY THE SPEAKER TALKED TOO FAST TOO FAS | THE MESSAGE IS TOO LONG | 5.43 | 55.17 | 23,38 | 13,78 | 2.23 | 100.00 |
| THE SPEAKER IS EASY TO UNDERSTAND THE BACKGROUND NOISE IS SUFFICIENTLY LOW THE SPEAKER TALKED TOO SLOWLY THE SPEAKER TALKED TOO SLOWLY THE SPEAKER TALKED TOO FAST THE SPEAKER TALKED TOO | THE MESSAGE IS TOB SHORT | 7.39 | 55.96 | 26.88 | 8.78 | 66.0 | 100.00 |
| 10W 2.26 7.87 10.92 72,44 6.51
7.64 74.38 14.42 3.22 0.34
5.04 60.65 16.78 15.46 2.06
4.82 10.26 9.08 63.62 12.22
1DN 0.85 5.86 11.10 75.47 6.72
USEFUL 0.39 2.13 8.57 65.94 22.97
0.67 1.28 6.50 48.31 49.25
4.14 25.26 15.36 47.12 8.11 | | 2.24 | 8.95 | 9.51 | 70.30 | 00 | 100.00 |
| 7.64 74.38 14.42 3.22 0.34 5.04 60.65 16.78 15.46 2.06 4.82 10.26 9.08 63.62 12.22 0.85 5.86 11.10 75.47 6.72 AL USEFUL 0.39 2.13 8.57 65.94 22.97 0.67 1.28 6.50 48.31 43.25 4.14 25.26 15.36 47.12 8.11 | | 2.26 | 7.87 | 10.92 | 72.44 | 6.51 | 100.00 |
| 5.04 60.65 16.78 15.46 2.06 4.82 10.26 9.08 63.62 12.22 1DN 0.85 5.86 11.10 75.47 6.72 4L 1.45 10.18 22.37 60.74 9.26 USEFUL 0.39 2.13 8.57 65.94 22.97 0.67 1.28 6.50 48.31 49.25 4.14 25.26 15.36 47.12 8.11 | | 7.64 | 74.38 | 14.42 | 3.22 | 96.0 | 100.00 |
| 4.82 10.26 9.08 63.62 12.22 AL 1.45 10.18 22.37 60.74 5.26 USEFUL 0.39 2.13 8.57 65.94 22.97 0.67 1.28 6.50 48.31 49.25 4.14 25.26 15.36 47.12 8.11 | | 5.04 | 60.65 | 16.78 | 15.46 | 5.06 | 100.00 |
| AL 1.45 10.18 22.37 60.74 8.26 USEFUL 0.39 2.13 8.57 65.94 22.97 0.67 1.28 6.50 48.31 49.25 4.14 25.26 15.36 47.12 8.11 | | 4.82 | 10.26 | 80.6 | 63.62 | 12.22 | 100.00 |
| USEFUL 0.39 2.13 8.57 65.94 22.97 0.567 1.28 6.50 48.31 49.25 4.14 25.26 15.36 47.12 8.11 | | 0.85 | 5.86 | 11.10 | 75.47 | 6.72 | 100.00 |
| USEFUL 0.39 2.13 8.57 65.94 22.97 0.67 1.28 6.50 48.31 49.25 4.14 25.26 15.36 47.12 8.11 | | 1.45 | 10.18 | 22,37 | 47.09 | 9.26 | 100.00 |
| 0.67 1.28 6.50 48.31 48.25
4.14 25.26 15.36 47.12 8.11 | THE NOTAMS AND FLEGHT PRECAUTIONS ARE USEFUL | 0.39 | 2.13 | 8.57 | 65.94 | 28.97 | 100.00 |
| 4.14 25.26 15.36 47.12 8.11 | IT IS HELPFUL TO HAVE THE INFORMATION UPDATED HOURLY | 19.0 | 1.28 | 6.50 | 48.31 | 48.25 | 100.00 |
| | TOTAL | 4.14 | 25.26 | 15.36 | 47.12 | 9.11 | 100.00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REACTIONS TO TRIAL PATMAS STATEMENTS
CAFGORIZED BY
PILOT LICENSE
(STRONOLY AGREE "FAVORABLE)
-PERCENTAGES

| TYPE OF PILO' LICENSE | STRONGLY | DISAGRE | CNCERTAIN | AGREE | STRONGLY | TOTAL | |
|------------------------|---------------|--|---|-------|----------|--------|---|
| STUDENT | 1.45 | 7.51 | 17.63 | 62.22 | 11.19 | 100.00 | |
| PRIVATE | 1.53 | 7.42 | 12.20 | 66.86 | 11.99 | 100.00 | |
| COMMERCIAL | 1.71 | 7.31 | 12.92 | 66.87 | 11,19 | 100.00 | |
| AIRLINE | 2.12 | 7.85 | 10.82 | 67.97 | 11,24 | 100.00 | |
| TOTAL | 1.59 | 7.42 | 13.00 | 66,34 | 11.64 | 100.00 | |
| | REACTION (STR | S TO TRIAL P
CATEGORIZ
WEATHER R
ONGLY AGREEN | REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
MEATHER RATING
(STRONGLY ACREE = FAUGRABLE)
PECENTAGES- | Z. | | | |
| TYPE OF WEATHER RATING | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL | • |
| | 1.85 | 7.84 | 12.46 | 84.99 | 11.07 | 100.00 | |
| | 1.47 | 7.21 | 13.27 | 66.13 | 11,92 | 100.00 | |
| | 1.59 | 7.42 | 13.00 | 66.34 | 11.64 | 100.00 | |

| | (ST | ENGINE LICENSE
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES- | F FAVORABLE) | | | |
|------------------------|----------------------|--|--|-------|-------------------|--------|
| TYPE OF ENGINE LICENSE | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| MULTI | 2.01 | 8.23 | 13.07 | 65.75 | 10.95 | 100.00 |
| SINGLE | 1.46 | 7,22 | 12.96 | 96.54 | 11.82 | 100.00 |
| TOTAL | 1.59 | 7.47 | 12.98 | 66.35 | 11.61 | 100.00 |
| | REACTION (STR | TIONS TO TRIAL PATMAS STATER
CATEGORIZED BY
FLYING TIME
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES- | REACTIONS TO TRIAL PATMAS STATEMENTS CATEGORIZED BY FYING TIME FYING TIME (STRONGLY AGREE = FAVORABLE) -PERCENTAGES- | S L | | |
| FLYING TI 4E (HOURS) | STRONGLY
DISAGREE | DISAGREE | UNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL |
| 00+-0 | 1.55 | 7.41 | 13.20 | 65.23 | 15.61 | 100.00 |
| 401-800 | 1.36 | 6.83 | 11.72 | 69.57 | 10.53 | 100.00 |
| 801-100 | 1.96 | 8.31 | 13.66 | 16.40 | 11.46 | 100.00 |
| 1601-3200 | 1.73 | 7.37 | 12.88 | 72.69 | 6.27 | 100.00 |
| 3200+ | 1.62 | 7.28 | 12.90 | 68.03 | 10,17 | 100.00 |
| TOTAL | 1.59 | 7.42 | 13.01 | 66.35 | 11,63 | 106.00 |

: | |

| STRONGLY DOTRIAL PATHAS STATEMENTS (STRONGLY AGREE "FAURABLE) 1.22 1.22 2.17 2.17 2.17 8.52 1.30 1.56 1.56 1.56 1.57 1.56 1.57 1. | RONGLY AGREE BY CATEMENTS CATEGORIZED BY CAGES RONGLY AGREE FAURABLE) -PERCENTAGES - 12.81 8.52 12.88 8.52 13.01 7.32 12.88 8.52 13.03 7.32 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 7.52 12.70 | | 18E STRONGLY TOTAL .
AGREE .24 12.09 100.00 | 12.09 | 11.67 | | NEE STRONGLY TOTAL | 11.71 100.00 | .00 13.99 100.00 | 87 8,34 100.00 | .31 11.62 100.00 | | | |
|--|--|----------------------|--|-------|-------|---|--------------------|--------------|------------------|----------------|------------------|--|--|--|
| STRONGLY DISAGREE UNCE
STRONGLY DISAGREE UNCE
1.22 6.64 12
2.17 8.52 13
1.56 7.32 13
1.56 7.32 13
1.56 7.32 12
1.56 7.32 12
1.56 7.32 12
1.56 7.32 12
1.57 6.10 15AGREE UNCE
1.59 7.52 12
1.59 7.52 12 | GADO SOALE POWER PLANT | STATEMENTS
RABLE) | 81 67.24 | | | STATEMENTS
Quently Flown
Rable) | RTAIN AGREE | .70 66.49 | .61 57.00 | 78.99 76. | .03 66.31 | | | |
| STRONGLY DISAGREE (STRONGLY DISA | GADO GADO GADO SONER PL.NT | TRIAL PATHAS : | | | | TRIAL PATHAS ATECORIZED PROPERTY ACREE FAULT FRUIT ACREE ATECORIZED ACREE TAVOR | | | | | | | | |
| | 0 8 0 P 0 | REACTIONS TO | | 1.22 | 1.56 | REACTIONS TO | | 1.59 | 1.27 | 1/11 | 1.59 | | | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORISE BY
DIFFERENT COUNTIES CF RESIDENCE
(STRONGLY ACREE = FAURABLE)
-PERCENTAGES

| COUNTY OF RESIDENCE | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
|---|----------|----------|-----------|---------|----------|--------|
| C E E S | 60 | * | | : | | |
| 46544 | 64.0 | 4.00 | 00.8 | 69.51 | 16.51 | 100. |
| 2000 | 2.21 | 10.10 | 12.55 | 63.84 | 10.70 | 100 |
| ZA LAZA | 1.74 | 9.00 | 12.00 | 65.92 | 14.33 | |
| KOUKEYN | 0.65 | 8.25 | 13.92 | 67.48 | 200 | |
| ASSAU | | 1 | | | • | 0.001 |
| XUXX | | 60. | 15.33 | 67.41 | 11.30 | 100.0 |
| 2000 | 1.11 | 1.04 | 10.37 | 71.48 | 10.00 | 100.0 |
| 200 | .0 | 22.73 | 4.55 | 63.64 | 60.6 | 100 |
| 2000 | 1.93 | 8.21 | 10.63 | 66.18 | 13.04 | 000 |
| 200 | 2.35 | 8.24 | 12.59 | 00.84 | 00 | |
| CHMOND | 3.75 | 8.75 | 7.92 | 80.04 | | 000 |
| IDDLESEX | 1.98 | 11.03 | 0 4 - 0 | 200 | | 0.00 |
| DANDUTE | | | 0 | 60.00 | 11.40 | 100.0 |
| 2 2 2 2 2 | 6.3 | 7.29 | 17.08 | 64.24 | 00.6 | 100.0 |
| 200 | 1.47 | 6.13 | 10.32 | 69.68 | 11.80 | 100 |
| ES CHES ER | 1.22 | 7.02 | 12.46 | 67.64 | 11.67 | 100 |
| A PACE | 1.63 | 4.63 | 13.08 | 40.48 | 11 17 | 000 |
| UFFULK | 1.39 | 7.54 | 12.37 | 66 03 | 67 | 0.00 |
| ULLIVAN | 0 | | 200 | 2000 | 10.11 | 100.00 |
| DCKLAND | | | 000 | 10.01 | • 0 | 100.00 |
| THE SELECT | 50.00 | 4.0 | 15.34 | 62.59 | 11,32 | 100.00 |
| 3027 | 64.0 | 12.96 | 3.70 | 72.22 | 10,19 | 100.00 |
| 2 | 1.38 | 6.42 | 8.72 | 64.22 | 19.27 | 100.00 |
| X III | 3.31 | 65.6 | 15.27 | 57.63 | 14.20 | 100.00 |
| NO INC. | 1.37 | 6.70 | 16.84 | 62.69 | 12.20 | 100.00 |
| X III | | • 0 | 60.6 | 81.82 | 60.6 | 100 |
| X | 2.60 | 7.79 | 16.88 | 78. 25 | | |
| JTCHESS | 0.28 | 4.26 | 22.73 | 63.90 | | 000 |
| משורא | 0.75 | a c | 36. 66 | 2 4 0 5 | | |
| | | 07.0 | 00.63 | 20.40 | 80.0 | 100.00 |
| | 1.20 | 1. 1 | XX.C | 44 87 | | |

10-29

REACTIONS TO TRIAL PATNAS STATEMENTS
CATEGORIZED BY
DIFFREENT ANNAL FLYING TIME
(STRONGLY AGREE = FAUGRABLE)
-PERCENTAGES-

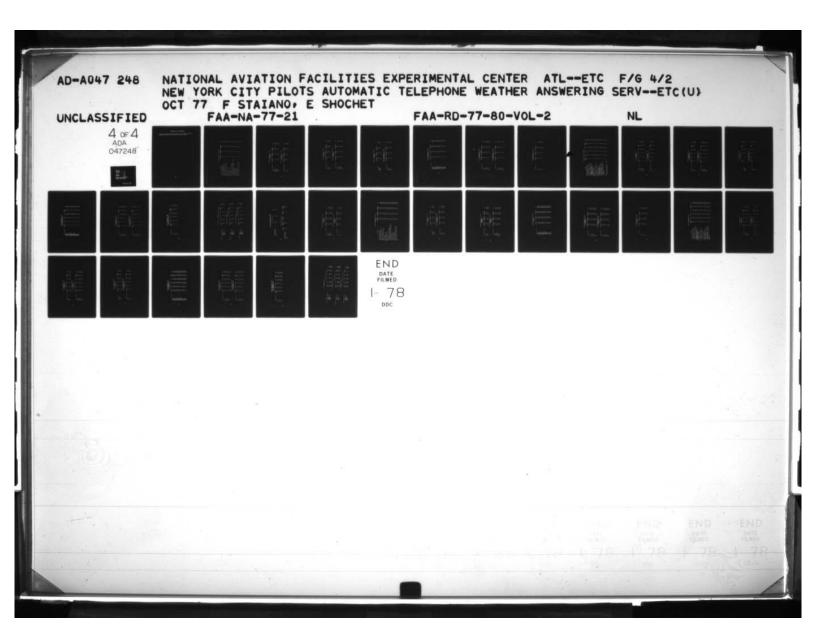
| E E | STRONGLY DISAGREE UNCERTAIN AGREE STRONGLY ANDMARR OF TIME; DISAGREE AGREE | 1,29 5.89 18.34 64.02 10,46 | 1,17 7,24 19,12 67,35 11,13 | 1.61 7.54 10.81 66.67 13.37 | 2.50 9.13 10.15 67.27 10,96 | 1,76 7.75 10.39 69.19 10.92 | 2.06 8.15 15.56 62.32 11.90 | 1.59 7.42 13.01 66.35 11,63 | REACTIONS TO TRIAL PATHAS STATEMENTS CATEGORIZED BY DIFFERENT BASIC PATHAS LISTENING (STRONGLY AGREE = FAUGRABLE) -PERCENTAGES- | STRONGLY DISAGREE UNCERTAIN AGREE STRONGLY AGREE AGREE | 1.50 7.15 13.82 66.23 11.31 | 1.68 8.59 9.72 65.58 14.43 | 2.55 7.79 7.52 69.80 12.35 | 2.67 5.73 9.92 73.66 8.02 |
|-----|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|--|-----------------------------|----------------------------|----------------------------|---------------------------|
|-----|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|--|-----------------------------|----------------------------|----------------------------|---------------------------|

| STATEMENTS | LISTENING
JRABLE) |
|------------|---|
| PATMAS | T TRIAL PATHAS LISTE LY AGREE - FAUGRABLE -PERCENTAGES- |
| TRIAL | A GREEN |
| 100 | F 3 |
| RACTIONS | DIFFERENT T
(STRONGLY |

| - PERCENTAGES- | DISAGREE UNCERTAIN AGREE STRONGLY TOTAL AGREE | 20.06 61.72 9.37 | 70.55 11.93 | | 6.77 68.70 15.25 | 7.70 68.39 15.30 | 66.35 |
|----------------|---|------------------|-------------|-------|------------------|------------------|-------|
| | STRONGLY | 1.55 | 1.30 | 1.86 | 1.94 | 1.42 | 1.59 |
| | NUMBER OF TIMES | 6-0 | 6-10 | 11-20 | 21-40 | +07 | TOTAL |

JOINT REACTIONS OF ALL RESPONDENTS -PERCENTAGES.

| | | TOTAL | | 100.00 | 00:001 | 000000000000000000000000000000000000000 | 100.00 | | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | | | TOTAL | | 100.00 | 100.00 | 100.00 |
|----------------------|------------------|--------------------------------|-------------------|--------------|-------------------|---|--------|--------------------|----------------|-----------|-------------------------------|--------------------|----------------|--------|--------------------------------------|----------------|----------------------|-------------------|----------|----------------|--------|
| | PROVIDED | STRUNGLY | | 8.03
7.37 | 0.52 | 4 60 11 | 0.0 | | | STRUNGLY | 15.20 | 1.04 | | 9.88 | | ۲۸ | STRONGLY | | | | 90.00 |
| | S | AGREE | | 12,12 | 1.24 | 14.05 | | | DUCTO | AGREE | 27.20 | 3.95 | 6.08 | 13,56 | | TOD SLOWLY | AGREE | : | 31.00 | 4.62 | 3,03 |
| NTS | MUCH INFORMATION | UNCERTAIN | 7 | 7.52 | 39.95 | 2.33 | | ENTS | MESSAGE IS TOO | UNCERTAIN | 4.00 | 72.15 | 4.73 | 23.49 | 15 | SPEAKER TALKED | UNCERTAIN | 11 | 2.09 | 3.85 | 14.46 |
| ALL RESPONDENTS | 100 | CISAGREE | 27.88 | 40.89 | 71.12 | 27.91 | | ALL RESPONDED | JHE . | DISAGREE | 12.00 | 21.27 | 83.78 | 55.61 | ALL RESPONDENTS | THE | DISAGREE | 13.95 | 93.44 | 80.00 | 74.62 |
| JOINT REACTIONS OF A | | STRONGLY | 51.52 | 12.86 | 18.32 | 58.14 | | JUINT REACTIONS OF | | STRONGLY | 41.60 | 2.41 | 14.0 | 5.52 | JOINT REACTIONS OF ALL -PERCENTAGES- | | STRONGLY | 80.23 | 1.33 | 11.54 | 7.72 |
| | | ENDUGH INFORMATION IS PROVIDED | STRONGLY DISAGREE | UNCERTAIN | A GREEN A A GREEN | 202 | | | | SHORT | STRONGLY DISAGREE
DISAGREE | UNCERTAIN
ACREE | STRUNGLY AGREE | TOTAL | | | AKER TALKED TOO FAST | STRONGLY DISAGREE | CISACKEE | STRUNGLY AGREE | |
| | | NOT END | | | | | | | | 0-32 | | | | | | | THE SPEAKER | | | | |



QUESTIONNAIRE DATA (SUPPLEMENTAL)

The questionnaire data obtained from responses to the supplemental survey are contained in this section. The material is discussed in volume ${\tt I.}$

COMPARISON BETWEEN BASIC AND TRIAL PATWAS

| TOTAL | • | 777 | 221 | 219 | 218 | 215 | 218 | 0 6 | | 219 | 216 | 916 | : | \$50 | 217 | 122 | 222 | 250 | 166 | 1 37 | 512 | 3722 |
|------------------------------|--------------------------------|----------------------------------|---|---------------------------------|---|-----------------|-----|----------------|----------------------------|---------------|-------------------------|--------------------------------------|---|--|-----------------------|----------------------------|-----|--|--|--|-------|------|
| TRIAL BETTER | | | 167 | 141 | 159 | 121 | 123 | 90 | | ¢0
80 | 75 | 111 | | 201 | 122 | 119 | 156 | 155 | 141 | | 70 | 2100 |
| NO SIGNIFICANT
DIFFERENCE | 34 | 6 | : 9 | 0 7 | *6 | 73 | 99 | 110 | 80 | 001 | 125 | 82 | 30 | ; ; | 0 1 | 6. | 45 | 0, | 58 | 96 | | 1210 |
| BASIC BETTER
THAN TRIAL | 62 | 23 | | . s | 3 | 2.1 | 67 | . 53 | 25 | : : | 16 | 26 | 54 | 23 | | 67 | 54 | 25 | 22 | 37 | | 415 |
| CHARACTERISTIC | AMOUNT OF INFORMATION PROVIDED | ACCURACY OF INFORMATION PROVIDED | ADEQUACY TO SUPPORT A GO/NO-60 DECISION | YOUR SATISFACTION WITH BRIEFING | ORDER IN WHICH INFORMATION IS PRESENTED | ILENA - acessam | | CONTINUE VOICE | AMBUNT OF BACKGROUND NOISE | SPEAKING RATE | CONNECTED TO TECHNOLOGY | CONTROL TRUMPILE TO RECURDED MESSAGE | MINIMIZES ADDITIONAL PREFLIGHT INFORMATION FROM FSS | MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM ESS | EASE OF COMPREHENSION | USEFULLNESS OF INFORMATION | | SOURCE OF THE POST | PRUVIDES A CLEAR MENTAL PICTURE OF THE WEATHER | AMBUNT OF UNNECESSARY INFORMATION PROVIDED | TOTAL | |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY PILOT LICENSE

| TOTAL | 205 | 1930 | 1409 | 145 | 3689 |
|------------------------------|---------|---------|------------|---------|-------|
| TRIAL BETTER
THAN BASIC | 86 | 985 | 068 | 103 | 2076 |
| NE SIGNIFICANT
DIFFERENCE | 76 | 703 | 361 | 0,4 | 1201 |
| BASIC BETTER
THAN TRIA! | 1, | 242 | 158 | 2 | 412 |
| TYPE OF PILOT LICENSE | STUDENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL |

| | TOTAL | 1809 | 1880 | 3689 |
|---|------------------------------|------|------|-------|
| ATWAS | TRIAL BETTER
THAN BASIC | 1122 | 954 | 2076 |
| BASIC AND TRIAL P
GURIZED BY
HER RATING | NC SIGNIFICANT
DIFFERENCE | 476 | 725 | 1201 |
| COMFARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
WEATHER RATING | BASIC BETTER
THAN TRIAL | 211 | 201 | 412 |
| | TYPE OF WELTHER RATING | IFR | ٧F. | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
ENGINE LICENSE

| 707AL | 1206 | 2415 | 3621 | | TOTAL | 1441 | 408 | 685 | 497 | 562 | 3722 |
|------------------------------|-------|--------|-------|--|------------------------------|-------|---------|----------|-----------|-------|-------|
| TRIAL BETTER
THAN BASIC | 683 | 1362 | 2045 | TRAS. | TRIAL BETTER
THAN BASIC | 762 | 417 | 419 | 320 | 182 | 2100 |
| NE SIGNIFICANT
DIFFERENCE | 352 | 813 | 1165 | BASIC AND TRIAL PAT
ORIZED BY
ING TIME | NO SIGNIFICANT
DIFFERENCE | 536 | 293 | 181 | 114 | 98 | 1210 |
| BASIC BETTER
THAN TRIAL | 171 | 240 | 411 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY FLYING TIME | BASIC BETTER
THAN TRIAL | 143 | 76 | 885 | 63 | 27 | 412 |
| TYPE OF ENGINE LICENSE | MULTI | SINGLE | TOTAL | | FLYING TIME (HOURS) | 004-0 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY CATEGORIZED BY CATEGORIZED BY

| TOTAL | 2388 | 3622 | | TOTAL | 3808 | 65 | 102 | 3672 |
|------------------------------|-------------|--------------------|--|----------------------------|--------|-------|-----|-------|
| TRIAL BETTER
THAN BASIC | 1373 | 2034 | ATWAS
FLOWN | TRIAL BETTER
THAN BASIC | 5005 | 10 | 51 | 2070 |
| NC SIGNIFICANT
DIFFERENCE | 732 | 1180 | BASIC AND TRIAL PV
CORIZED BY
NT MOST FREQUENTLY | NC SIGNIFICANT | 1138 | 56 | 59 | 1193 |
| BASIC BETTER
THAN TRIAL | 283 | 125 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN | BASIC BETTER
THAN TRIAL | 358 | 62 | 2.2 | 604 |
| . 0079 | FARMINGDALE | TETERBORD
Total | | TYPE OF POWER PLANT | PISTON | TURBO | JET | TOTAL |

| PATWAS | CE |
|----------------------------------|-------------------|
| TRIAL | ESTOEN |
| ISON BETWEEN BASIC AND TRIAL PA- | ENT COUNTIES OF P |
| COMPARISON BE | DIREFR |

| TOTAL | 757 | 92 | 287 | 100 | 001 | 516 | 33 | | 3.6 | | 413 | 86 | 136 | 100 | 74 | 24, | 324 | | 0.6 | | 2. | 5 . | 1 | /12 | 100 | 34 | 17 | 17 | 17 | 3605 | |
|------------------------------|-------|--------|---------|----------|---------|---------|--------|-------|-----------|--------|-------------|------|--------|-----------|----------|--------|-----------|--------|---------|--------------|----------|----------|--------|-----|------|-------|--------|--------|----------|--------|-------|
| TRIAL BETTER
THAN BASIC | 186 | 64 | | 121 | 7.7 | 303 | | 200 | | 0 1 | 166 | 51 | 0.0 | 07 | | 67 | 606 | 67 | 193 | 0 | 643 | 15 | 80 | 117 | 83 | 16 | | 71 | 11 | 4500 | 100 |
| NO SIGNIFICANT
DIFFERENCE | 90 | | 2 | 113 | 080 | 177 | | 1 |) u | 12 | 157 | 26 | | | | 28 | 105 | • | 131 | 0 | 31 | 19 | • | 4 | 15 | • | 9 4 | 0.00 | • • | 0 00 | |
| BASIC BETTER
THAN TRIAL | • • | 2 | 0 | 17 | 36 | | 0 | 10 | • | - | 5.2 | | 17 | 62 | , | 13 | 28 | 0 | 97 | 0 | 27 | 0 | 0 | 21 | ,, | | 7 | 0 | -4: | 0 | 393 |
| COUNTY OF RESIDENCE | | | | | | | | | | | | | | | | | ER | | | | | | | | | | | | | | |
| CDUNTY | 30000 | DOFENS | PASSAIC | MATTANAM | 27.7000 | פעחחערו | NASSAN | BRONX | HUNTERDON | HUDSON | N L C O L O | 2000 | CHMUND | MIDDLESEX | MDNMDCTH | MORRIS | WESTCHEST | DRANGE | SUFFOLK | NAN I I II I | DUCKLAND | COMFREET | MANTIO | X | 2000 | 20120 | SUSSEX | MERCER | DUTCHESS | ULSTER | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
DIFFERENT ANNUAL FLYING TIME

| TOTAL | 336 | 1.18 | 1154 | 1136 | 330 | 187 | 3722 | | TOTAL |
|------------------------------|------|------|--------|---------|---------|------|-------|---|------------------------------|
| TRIAL BETTER
THAN BASIC | 509 | 252 | 419 | 989 | 197 | 118 | 2100 | AS | TRIAL BETTER |
| NO SIGNIFICANT
DIFFERENCE | 108 | 526 | 387 | 372 | 74 | . 43 | 1210 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGRAIZED BY
DIFFERENT BASIC PATWAS LISTENING | NC SIGNIFICANT TO DIFFERENCE |
| BASIC BETTER
THAN TRIAL | 19 | 66 | 63 | 116 | 59 | 56 | 412 | COMPARISON BETWEEN E
CATEGE
DIFFERENT BASI | BASIC BETTER
THAN TRIAL |
| NUMBER OF TIMES. | 0-50 | 250 | 51-100 | 007-101 | 201-400 | +00+ | TOTAL | | NUMBER OF TIMES |

231 231 94 31 27 2100

815

2 2 0

51-100 101-200 201-400 400+ TOTAL

0-20

COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATECORIZED BY DIFFERENT TRIAL PATWAS LISTENING

.12

| | TOTAL | į | į į | 823 | 760 | 701 | 3722 |
|---|---|-----|------|-------|-------|------|--------|
| 2 | TRIAL BETTER
THAN BASIC | 327 | 345 | 525 | 423 | 480 | 2100 |
| | BASIC BETTER NC SIGNIFICANT THAN TRIAL DIFFERENCE | 302 | 247 | 238 | 549 | 174 | . 1210 |
| | BASIC BETTER
THAN TRIAL | 132 | 88 | 0 9 | 80 | 4.7 | 412 |
| | NUMBER OF TIMES. | 0-5 | 6-10 | 1:-20 | 2 -40 | 1019 | |

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| | | PERCENCIAL TO TOTAL DATE OF CHATCHENTS |

| a | EACTIONS TO | TRIAL PATH | REACTIONS TO TRIAL PATHAS STATEMENTS | | | |
|---|-------------|------------|--------------------------------------|-------|----------|-----------|
| STATEMENT | STRUNGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
| TOO HUCH INFORMATION IS PROVIDED | 110 | 543 | 2.8 | 7.2 | = | 421 |
| NOT ENDUGH INFORMATION IS PROVIDED | 34 | 509 | 7.2 | 10 | • | 413 |
| THE INFORMATION PROVIDED IS ACCURATE | - | :: | 6, | 322 | 7.2 | 410 |
| THE CONTENT OF THE BRIEFING MAS SATISFACTORY | | 50 | 1.0 | 340 | 96 | 417 |
| THE DRDER IN WHICH THE INFORMATION IS | • | *1 | 33 | 331 | 33 | 416 |
| PRESENTED IS SATISFACTORY THE INFORMATION IS SUFFICIENT TO MAKE | : | 0,7 | 27 | 247 | • | 418 |
| A DECISION TO FLY OR NOT TO FLY THE MESSAGE IS TOO LONG | 0, | . 892 | 57 | 39 | 11 | 413 |
| THE MESSAGE IS TOO SHORT | 36 | 272 | 62 | 59 | | 404 |
| THE SPEAKER IS EASY TO UNDERSTAND | • | 27 | 32 | 862 | 90 | 415 |
| THE BACKGROUND MOISE IS SUFFICIENTLY LOW | 91 | 2.0 | 2.1 | 322 | 16 | 814 |
| THE SPEAKER TALKED TOO SLOWLY | 64 | 318 | 37 | 13 | 0 | 417 |
| THE SPEAKER TALKED TOO FAST | 54 | 288 | 45 | 47 | • | 61 |
| THE RECORDED MESSAGE WAS OBTAINED | 14 | 37 | 13 | 529 | 9.8 | 418 |
| PROMPTLY AFTER DIALING IT IS EASY TO COMPREHEND THE INFORMATION | 0 | 15 | 13 | 324 | 0 | 412 |
| THE INFORMATION PROVIDES A CLEAR MENTAL | 2 | 23 | 52 | 302 | 36 | 415 |
| THE NOTAMS AND FLIGHT PRECAUTIONS ARE USEFUL | 2 | 20 | 22 | 256 | 128 | 418 |
| IT IS HELPFUL TO HAVE THE INFORMATION UPDATED HOURLY | - | - | 15 | 170 | 232 | 419 |
| TOTAL | 370 | 1834 | 1 + 9 | 3396 | 821 | 7062 |
| | | | | | | |

PEACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
PILOT LICENSE
(STRONGLY AGREE = FAVORABLE)

| TOTAL | 162 | 5609 | 1459 | 712 | 4576 | | TOTAL | 2115 | 1972 | 4576 |
|-----------------------|---------|---------|------------|---------|-------|---|------------------------|------|------|-------|
| STRONGLY | 9 | 423 | 556 | 53 | 774 | | STRUNGLY | 321 | 453 | 774 |
| AGREE | 172 | 1811 | 1038 | 150 | 3171 | 2. | AGREE | 1515 | 1656 | 1712 |
| UNCERTAIN | 33 | 202 | 87 | 18 | 340 | REACTIONS TO TRIAL PATHAS STATEMENTS
CATECORIZED BY
WEATHER RAING
(STRONGLY AGREE = FAVORABLE) | UNCERTAIN | 153 | 187 | 340 |
| DISAGREE | 19 | 140 | 5.7 | 18 | 234 | TO TRIAL PATHAS CATEGORIZED BY WEATHER RATING INGLY AGREE = FAV | DISAGREE | 101 | 133 | 234 |
| STRONGLY | 1 | 33 | 2.1 | 2 | 7.5 | REACTIONS
(STRO | STRONGLY
DISAGREE | 25 | 32 | 5.7 |
| TYPE OF PILOT LICENSE | STUDENT | PRIVATE | COMMERCIAL | AIRLINE | TOTAL | | TYPE OF WEATHER RATING | F.R. | VFR | 10741 |

REACTIONS TO TRIAL PATWAS STATEMENTS
CATEGORIZED BY
ENGINE LICENSE
(STRONGLY ACREE = FAVORABLE)

| TOTAL | 1308 | \$226 | 4534 |
|------------------------|-------|-------|------|
| STRONGLY | 212 | 546 | 758 |
| AGREE | 726 | 2233 | 3160 |
| UNCERTAIN | 7.8 | 245 | 332 |
| DISAGREE | 79 | 171 | 233 |
| STRONGLY
DISAGREE | 50 | 31 | \$1 |
| TYPE OF ENGINE LICENSE | I SOL | TOTAL | |

PEACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
FLYING TIME
(STRONGLY AGREE = FAVORABLE)

| STRONGLY TOTAL | 391 209 | | | | 51 357 | |
|----------------------|---------|----------|-----------|-------|--------|------|
| AGREE | | 612 | | | 250 | 3171 |
| LNCERTAIN | 178 | 6.5 | 30 | 04 | 27 | 340 |
| DISAGREE | 116 | 4.5 | 25 | 56 | 2.5 | 234 |
| STRONGLY
DISAGREE | 25 | = | ٠, | 0 | - | 57 |
| FLYING TIME(HOURS) | 0010 | 801-1400 | 1601-3300 | 3500+ | 1074 | • |

| GADC
(STRONGLY AGREE = FAVORABLE) |
|--------------------------------------|
| |
| |

| | TOTAL | 9062 | 1538 | 7777 | | TOTAL | 4371 | 9 | 108 | 4565 |
|------------------------------|-----------|-------------|-----------|-------|--|---------------------|--------|-------|-----|---------|
| | STRONGLY | 517 | 3 | 757 | | STRONGLY | 745 | 13 | 16 | 274 |
| | AGREE | 2057 | 1026 | 3083 | FLOWN | AGREE | 3022 | 69 | 73 | 3160 |
| (STRONGLY AGREE . FAVORABLE) | LNCERTAIN | 208 | 118 | 326 | REACTIONS TO TRIAL PATRAS STATEMENTS CAFEGORIZED BY TYPE OF POWER PLANT FOST FREQUENTLY FLOWN (STRONGLY AGREE * FAUGRABLE) | LNCERTAIN | 327 | 2 | 11 | 340 |
| NGLY AGREE | DISAGREE | 100 | 125 | 525 | S TO TRIAL P
CATEGORIZ
WER PLANT PO | DISAGREE | 221 | in | 30 | 234 |
| (STRD | STRONGLY | 54 | 53 | 53 | REACTION
TYPE OF PO | STRONGLY | 26 | 1 | 0 | 57 |
| | 0049 | FARMINGDALE | TETERBORO | TOTAL | | TYPE OF POWER PLANT | PISTON | 08801 | 1 | 7 2 2 2 |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE
(STRUNGLY AGREE = FAUORABLE)

| 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 75 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
|--|---|
| ARANGL V AGAINGL V AGAINGL V AGAINGL V AGAINGL V AGAINGL V AGAINGL AGA | S 0 40 0 7 5 |
| A CR | 29
16
19
3073 |
| LNCERTAIN
2012
2013
2014
2016
2017
2018
2019
2019
2019 | 326 2 8 8 1 0 |
| 015A60A
0 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 22 2 2 3 3 3 4 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| STRDNGLY DISAGREE 1 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20 | 000 - m |
| COUNTY OF RESIDENCE PASSAIC PASSAIC PASSAIC PASSAIC PAUNTEROIN PLUNTEROIN PROFERET PLUNTEROIN PLUNT | SUSSEX
MERCER
DUTCHESS
ULSTER
TOTAL |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORIZED BY
DIFFERENT ANNIAL FUYING TIME
(STRONGLY ACREE - FAUGRABLE)

| | STRONGLY
D15AGREE | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL |
|---------|----------------------|----------|-----------|-------|----------|-------|
| 0-50 | ~ | 1.7 | 34 | 297 | 7.0 | 419 |
| 21-50 | 11 | 38 | 80 7 | 570 | 109 | 176 |
| 51-100 | 17 | 4 | 123 | 1003 | 298 | 1525 |
| 101-200 | 19 | 61 | 88 | 853 | 102 | 1222 |
| 201-400 | • | 2.1 | 0, | 301 | 8 | 427 |
| +007 | 3 | 13 | | 147 | 37 | 207 |
| TOTAL | 57 | 534 | 340 | 3171 | 774 | 4576 |

| Y 101AL | 3350 | 746 | 272 | 131 | 22 | . 55 | 4476 |
|----------------------|------|-------|--------|---------|---------|------|-------|
| STRONGLY | 765 | 110 | 4,1 | 20 | 4 | 5 | 774 |
| AGREE | 2285 | 344 | 189 | 76 | 15 | 17 | 3171 |
| UNCERTAIN | 253 | 55 | 18 | 60 | 0 | ٥ | 340 |
| DISAGREE | 179 | 59 | 17 | • | М | О | 234 |
| STRDNGLY
015AGREE | 39 | 60 | 7 | 3 | 0 | 0 | 57 |
| NUMBER OF TIMES | 0-50 | 21-50 | 51-100 | 101-200 | 201-400 | +00+ | TOTAL |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATEGORISED BY
DIFFERENT TRIAL PATHAS LISTEWING
(STRONGLY AGREE = FAVORABLE)

| STRONGLY |
|----------|
| 13 |
| • |
| 14 |
| • |
| 16 |
| 57 |

JOINT REACTIONS OF ALL RESPONDENTS

TOO MUCH INFORMATION IS PROVIDED

| TOTAL | 209
72 | 70
8
413 | | TOTAL | 272
62 | 27 | 5 | | TOTAL | 2 2 4 4 4 5 8 8 8 4 4 5 4 5 8 8 8 4 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 |
|--|---|--|------------------------------------|--------------------------|-------------------|-------------|-------------------------|---|-----------|---|
| STRONGLY | 0-1-1 | 0-0 | 9
VO | STRONGLY AGREE | w | 107 | | TOO SLOWLY | STRONGLY | 00000 |
| AGREE | 167 | 1400 | NDENTS
THE MESSAGE IS TOO LONG | AGREE | w 4 (| o → 0 | 88 | NDENTS
THE SPEAKER TALKED TOO SLOWLY | AGREE | 12 2 12 |
| UNCERTAIN | nrj | 14080 | RESPONDENTS
THE MESSA | UNCERTAIN | W.C. | * | 95 | RESPONDENTS
THE SPEA | UNCERTAIN | 3 0 0 6 10 E |
| DISAGREE | 111 | 241 241 | UDINT REACTIONS OF ALL RESPONDENTS | DISAGREE | 212 | 52,6 | 504 | JOINT REACTIONS OF ALL RESPONDENTS THE SP | DISAGREE | 266
144
334
160 |
| STRONGLY
DISAGREE | 31 | 18 21 21 4 | JOINT REACT | STRONGLY | 23 | m m - | 39 | JOINT REAC | STRONGLY | 20 4 8 0 0 |
| OHO THE STATE OF T | ENDUGH INFORMATION IS TOURISES STRONGLY DISAGREE DISAGREE | UNCERTAIN
GREE
STRONGLY AGREE
TOTAL | 11-16 | THE MESSAGE IS TOO SHORT | STRONGLY DISAGREE | POCOME TAIL | STRONGLY AGREE
TOTAL | | | THE SPEAKER TALKED TO THE SPEAKER STRONGLY DISAGREE UNCETAIN AGREE STRONGLY AGREE TOTAL |

CONTACT OF THE ESS FOR ADDITIONAL INFORMATION AFTER LISTENING TO THE TRIAL PATHAS

| TOTAL | 373 | 317 | 069 |
|---------------|------------------------|-----------------------|-------|
| ACTED YES | 271 | 179 | 450 |
| FSS CENTACTED | 102 | 138 | 240 |
| | FSS CONTACT | SS CONTACT | |
| | PRE-FLIGHT FSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL |

| | TOTAL NO.
CONTACTS | 172 | 179 | 054 |
|----------------------------------|-------------------------|------------------------|-----------------------|-------|
| | HORE THAN | • | 1 | • |
| LENGTH OF FSS CONTACTS WHEN MADE | BETWEEN 6 | • | ٥ | 4 |
| LENGTH OF FSS CO | BETWEEN 1
TO 5 MINS. | 180 | 56 | 239 |
| | LESS THAN
I MINUTE | 91 | 119 | 200 |
| | | PRE-FLIGHT FSS CONTACT | IN-FLIGHT FSS CONTACT | TOTAL |
| 11-17 | 1 | | 1 | |

COMPARISON BETWEEN BASIC AND TRIAL PATMAS
CATEGRAIZED BY
PILOT LICENSE
-PERCENTAGES-

| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 |
|------------------------------|--------------------|------------|--------|--------|---|------------------------------|-------------------------|
| TRIAL BETTER
THAN BASIC | 08.74 | 63.17 | 71.03 | 56.28 | ATWAS | TRIAL BETTER
THAN BASIC | 62.02
50.74
56.28 |
| NC SIGNIFICANT
DIFFERENCE | 47.32 | 25.62 | 27.59 | 32.56 | FEN BASIC AND TRIAL P
ATECORIZED BY
ATETHER RATING
PERCENTAGES- | NC SIGNIFICANT
DIFFERENCE | 26.31
38.56
32.56 |
| BASIC BETTER
THAN TRIAL | 4.88 | 11.21 | 1.38 | 11:17 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY MEATHER RATING -PERCENTAGES- | BASIC BETTER
THAN TRIAL | 11.66 10.69 |
| TYPE OF PILUT LICENSE | STUDENT
PRIVATE | COMMERCIAL | TOTAL | | | TYPE OF WELTHER RATING | 1FR
VFR
TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS -- PERCENTAGES-

| CHARACTERISTIC ' | BASIC BETTER
THAN TRIAL | ND SIGNIFICANT
DIFFERENCE | TRIAL BETTER
THAN BASIC | TOTAL |
|---|----------------------------|------------------------------|----------------------------|--------|
| AMBUNT OF INFORMATION PROVIDED | 13.06 | 15,32 | 71.62 | 100.00 |
| ACCURACY OF INFORMATION PROVIDED | 10.41 | 41.18 | 49.42 | 100.00 |
| ADEQUACY TO SUPPORT A GD/ND-GD DECISION | 0.22 | 27.40 | 64.38 | 100.00 |
| YOUR SATISFACTION WITH BRIEFING | 11.47 | 15.60 | 72.94 | 100.00 |
| ORDER IN WHICH INFORMATION IS PRESENTED | 4.77 | 33.95 | 56.28 | 100.00 |
| MESSAGE LENGTH | 13.30 | 30.28 | 56.42 | 100.00 |
| - QUALITY OF SPEAKING VOICE | 10.50 | 50.23 | 39.27 | 100.00 |
| 6 AMOUNT OF BACKGROUND NOISE | 11.42 | 49.32 | 39.27 | 100.00 |
| SPEAKING RATE | 7.41 | 57.87 | 34.72 | 100.00 |
| CONNECTED PROMPTLY TO RECORDED MESSAGE | 11.87 | 37.44 | 50.68 | 100.00 |
| MINIMIZES ABDITIONAL PREFLIGHT INFORMATION FROM FSS | 10.91 | 17.73 | 71.36 | 100.00 |
| MINIMIZES ADDITIONAL INFLIGHT INFORMATION FROM FSS | 10.14 | 33.64 | 56.22 | 100.00 |
| EASE OF COMPREHENSION | 16.41 | 35.75 | 53.85 | 100.00 |
| USEFULLNESS OF INFORMATION | 10.01 | 18.92 | 70.27 | 100.00 |
| RESPONSIVE TO YOUR NEEDS | 11.36 | 18.18 | 70.45 | 100.00 |
| PROVIDES A CLEAR MENTAL PIGTURE OF THE WEATHER | 6.55 | 26.24 | 63.80 | 100.00 |
| AMDUNT OF UNNECESSARY INFORMATION PROVIDED | 17.21 | 44.65 | 30.14 | 100.00 |
| TOTAL | 11.67 | 32.51 | 56.42 | 100.00 |

| PATWAS | | | | |
|--------------------------------|-------------|------|-------------|--|
| TRIAL | | | | |
| DNO | 84 | | .ES- | |
| BASIC | CATEGORIZED | CADE | FRCENTAGES. | |
| BETWEEN BASIC AND TRIAL PATWAS | CATEC | | - PER | |
| COMPARISON | | | | |

| TOTAL | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 |
|------------------------------|-------------|-----------|--------|--|------------------------------|--------|--------|--------|--------|
| TRIAL BETTER
THAN BASIC | 57.50 | 53.57 | 56.16 | FLOWN | TRIAL BETTER
THAN BASIC | 57.32 | 15,38 | 50.00 | 55.37 |
| NC SIGNIFICANT
DIFFERENCE | 30.65 | 36.30 | 32.58 | BASIC AND TRIAL P. SDRIZED BY 4T MOST FREQUENTLY RCENTAGES- | NC SIGNIFICANT
DIFFERENCE | 32.47 | 40.00 | 28.43 | 32.49 |
| BASIC BETTER THAN TRIAL | 11.85 | 10.13 | 11.26 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN -PERCENTAGES- | BASIC BETTER
THAN TRIAL | 10.21 | 44.62 | 21.57 | 11.14 |
| GADO | FARMINGDALE | TETERBORG | TOTAL | | TYPE OF POWER PLANT | PISTON | TURBO | JET | TOTAL |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
ENGINE LICENSE
-PERCENTAGES-

| TOTAL | 100.00 | 100.00 | 100.00 | | TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
|------------------------------|--------|--------|--------|--|----------------------------|--------|---------|----------|-----------|--------|--------|
| TRIAL BETTER
THAN BASIC | 56.63 | 56.40 | 56.48 | ITWAS | TRIAL BETTER
THAN BASIC | 52.88 | 51.87 | 61.17 | 64.39 | 61.69 | \$6.42 |
| NO SIGNIFICANT
DIFFERENCE | 29.19 | 33,66 | 32.17 | WEEN BASIC AND TRIAL PACATEGORIZED BY FLYING TIME PERCENTAGES- | ND SIGNIFICANT | 37.20 | 36.44 | 26.42 | 22.94 | 29,15 | 32.51 |
| BASIC BETTER
THAN TRIAL | 14.18 | 76.6 | 11.35 | COMPARISON BETWEEN BASIC AND TRIAL PATWAS CATEGORIZED BY FLYING TIPE -PERCENTAGES- | BASIC BETTER
THAN TRIAL | 9.92 | 11.69 | 12.41 | 12.68 | 9.15 | 11.07 |
| TYPE OF ENGINE LICENSE | | | | | FLYING TIME(HOURS) | | | | | | |
| TYPE OF | MULTI | SINGLE | TOTAL | | FLYING | 0-400 | 401-800 | 801-1600 | 1601-3200 | 3200+ | TOTAL |

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COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE
-PERCENTAGES-

| COUNTY OF RESIDENCE | BASIC BETTER
THAN TRIAL | NC SIGNIFICANT
DIFFERENCE | TRIAL BETTER | TOTAL |
|--|----------------------------|------------------------------|--------------|--------|
| 22 4 | 4.09 | 19.69 | 73.23 | 100.00 |
| 52.430 | | 18.82 | 81.18 | 100.00 |
| 201410 | | 41.40 | 52.61 | 100.00 |
| 247 | 34.6 | 10 64 | 38.71 | 100.00 |
| MOREAN | 18.20 | | 100 | 000 |
| 15SAU | 12.79 | 58.43 | 27.90 | 00.001 |
| NONX | 30.30 | 39.39 | 30.30 | 100.00 |
| NEGRETA | | • 0 | •0 | • |
| NO. | 20.0 | 44.12 | 52.94 | 100.00 |
| × 1000 | 00.61 | 38.01 | 48.18 | 100.00 |
| | 20.63 | 26.53 | 52.04 | 100.00 |
| N N N N N N N N N N N N N N N N N N N | 26.25 | 37.50 | 44.12 | 100.00 |
| | | 64.74 | 00.64 | 100.00 |
| | 20:31 | 43.75 | 35.94 | 100.00 |
| ST TOTAL CONTROL | | 23.76 | 69.91 | 100.00 |
| | | 12.12 | 87.88 | 100.00 |
| X CLUS | 12.43 | 35.41 | 52.16 | 100.00 |
| | | .0 | • | • |
| | 34.73 | 30.69 | 42.57 | 100.00 |
| THE POPULATION OF THE POPULATI | | 55.88 | 44.12 | 100.00 |
| 2 | | 52.94 | 47.06 | 100.00 |
| × 100 | 4 | 36.41 | 53.92 | 100.00 |
| 200 | | 15.00 | 83.00 | 100.00 |
| 200 | 0 0 | 47.00 | 47.06 | 100.00 |
| × 1000 | 9 | 29.41 | 76.59 | 100.00 |
| EXCEN | | 42 94 | 61.13 | 100.00 |
| UTCHESS | 5.88 | 66.30 | | |
| LSTER | • | 32.24 | 1 | |
| 1440 | 00.01 | 32.68 | 26.42 | 00.001 |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATEGORIZED BY
DIFFERENT ANNUAL FLING TIME
-PERCENTAGE.

| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | TOTAL | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 00. |
|-----------------------------|--------|--------|---------|---------|--------|--------|--------|---|------|--------|--------|---------|---------|--------|--------|
| | - | - | 7 | 91 | 21 | 2 | 10 | Ę | | 100 | 100 | 100 | 100 | 100 | 100.00 |
| TRIAL BETTER
THAN BASIC | 62.20 | 43.67 | 58.41 | 57.12 | 59.70 | 63.10 | 56.42 | TRIAL BETTER
THAN BAST | 315 | 52.88 | \$6.86 | 68.55 | 69.12 | 91.18 | 79.41 |
| MD SIGNIFICANT
OFFERENCE | 32.14 | 39,17 | 33,54 | 32.69 | 25.42 | 22.99 | 32.51 | SIC BETTER NO SIGNIFICANT THAN TRIAL DIFFERENCE | | 35,33 | 30.21 | 24,33 | 29.41 | 8.82 | 17.65 |
| BASIC BETTER
THAN TRIAL | 5.65 | 17.16 | 90.4 | 10.19 | 17.88 | 13.90 | 11.07 | BASIC BETTER
THAN TRIAL | | 4/11 | 12.93 | 7.12 | 1.47 | • | 2.94 |
| NUMBER OF TIMES | 0-20 | 51-100 | 101-200 | 201-400 | +00+ | TOTAL | | NUMBER OF TIMES | 0-50 | 21-50 | 51-100 | 101-200 | 201-400 | +00+ | 10741 |

COMPARISON BETWEEN BASIC AND TRIAL PATWAS
CATECORIZED BY
DIFFERENT TRIAL PATWAS LISTENING
-PERCENTAGES-

| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
|------------------------------|-------------|--------|--------|--------|--------|--------|
| TRIAL BETTER
THAN BASIC | 42.97 | 96.06 | 63.79 | 55.66 | 68.47 | 56.42 |
| NC SIGNIFICANT
DIFFERENCE | 39,68 | 36.48 | 28.92 | 32,76 | 24.82 | 32.51 |
| BASIC BETTER
THAN TRIAL | 17.35 | 12.56 | 7.29 | 11.58 | 02.9 | 11.07 |
| NUMBER DE TIMES | S- 0 | 6-10 | 07-1 | 0 | + 100 | ינואר |

REACTIONS TO TRIAL PATHAS STATEMENTS -PERCENTAGES-

| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 00.001 | 100.00 | 100.00 | 100.00 | 100.00 | 00.001 | 100.00 | 100.00 | 00.001 | 00.001 | 100.00 | |
|-----------|----------------------------------|------------------------------------|--------------------------------------|--|---|---------------------------------------|------------------------|--------------------------|-----------------------------------|--|-------------------------------|-----------------------------|--|--|---|--|--|--|
| STRONGLY | 2.61 1 | 1.94 1 | 6.59 | 1.63 | 7.93 | 1 .57 | 2.65 | 1.97 | 12 05 1 | 8.85 | 0 | 2.18 | 22.73 | 14.56 10 | 1.67 | 30.62 | 59.37 10 | |
| AGREE | 6.41 | 16.95 | 78.54 | 81,53 | 79.57 | \$9.09 | 04.6 | 7,13 | 71.81 | 77.03 | 3,12 | 11.38 | 61.96 | 78.64 | 72.77 | 61.24 | 40.57 | |
| UNCERTAIN | 6.65 | 17.43 | 11.95 | 4.32 | 7,93 | 17.22 | 13.73 | 15.23 | 7.71 | 5.02 | 8.87 | 10.90 | 3.11 | 3.16 | 12.53 | 5.26 | 3.58 | |
| DISAGREE | 58.19 | 50.61 | 2.68 | 4.80 | 3.37 | 11.48 | 64.58 | 66.83 | 6.51 | 6.70 | 76.26 | 69.73 | 8.85 | 3.64 | 5.54 | 5.39 | 0.24 | |
| STRONGLY | 26.13 | 13.08 | 0.24 | 0.72 | 1.20 | 2,63 | 49.6 | 8.85 | 1.93 | 2.39 | 11.75 | 5.81 | 3.35 | • 0 | 0.48 | 0.48 | 0.24 | |
| STATEMENT | TOO MUCH INFORMATSON IS PROVIDED | NOT ENDUGH INFORMATION IS PROVIDED | THE INFORMATION PROVIDED IS ACCURATE | THE CONTENT OF THE BRIEFING WAS SATISFACTORY | THE DROER IN WHICH THE INFORMATION IS DRESENTED IS SATISFACTORY | THE INFORMATION IS SUFFICIENT TO MAKE | HE WESSAGE IS TOO LONG | THE MESSAGE IS TOO SHORT | THE SPEAKER IS EASY TO UNDERSTAND | THE BACKGROUND NOISE IS SUFFICIENTLY LOW | THE SPEAKER TALKED TOO SLOWLY | THE SPEAKER TALKED TOO FAST | THE RECORDED MESSAGE WAS DRIAINED PROMPTLY AFTER DIALING | IT IS EASY TO COMPREHEND THE INFORMATION | THE INFORMATION PROVIDES A CLEAR MENTAL | THE NOTAMS AND FLIGHT PRECAUTIONS ARE USEFUL | IT IS HELPFUL TO HAVE THE INFORMATION UPDATED HOURLY | |

| 2 | | | | |
|------------|----|---|-----------------------------|------|
| STATEMENTS | | | | |
| 2 | | | - | |
| - | | | (STRUNGLY AGREE . FAVORABLE | |
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| REACTIONS | | | | |
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| CX. | | | | |

| TYPE OF PILOT LICENSE | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRDNGLY
AGREE | TOTAL |
|------------------------|----------|----------|---------------|-------|-------------------|--------|
| STUDENT | 0.34 | 6.53 | 11.34 | 59.11 | 22,68 | 100.00 |
| PRIVATE | 1.26 | 5.37 | 7.74 | 14.69 | 16,21 | 100 00 |
| COMMERCIAL | 1.44 | 3.91 | 96.5 | 71.14 | 17.55 | 100 00 |
| AIRLINE | 0.92 | 8.29 | 8.29 | 69.12 | 13.36 | 100.00 |
| TOTAL | 1.25 | 5.11 | 7.43 | 06.99 | 16.91 | 100.00 |
| | | -06806 | - DERCENTAGES | | | |
| TYPE OF WELTHER RATING | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
| 168 | 1.18 | 4.78 | 7.23 | 71.63 | 15,18 | 100 00 |
| VF.20 | 1.30 | 5.40 | 7.60 | 57.29 | 18.41 | 100.00 |
| T0TAL | 1.25 | 5.11 | 7.43 | 69.30 | 16.91 | 100.00 |

REICTIONS TO TRIAL PATHAS STATEMENTS
CATECORIZED BY
ENGINE LICENSE
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES

| | | PERCENTAGES | ACE 2- | | | |
|------------------------|----------------------|--|---|-------|-------------------|--------|
| TYPE OF ENGINE LICENSE | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL |
| MULTI | 1.53 | 4.74 | 6.65 | 70.87 | 16.21 | 100.00 |
| SINGLE | 96.0 | 5,30 | 7.59 | 69.22 | 16.92 | 100.00 |
| TOTAL | 1.12 | 5,14 | 7.32 | 07.69 | 16.72 | 100.00 |
| | REACTION (STR | S TD TRIAL PATRAS CATEGORIZED BY FLYING TIME ONGLY AGREE = FAV | REACTIONS TO TRIAL PATHAS STATEMENTS CATEGORIZED BY CATEGORIZED BY FLYING TIME (STRONGLY AGREE = FAVORABLE) -PERCENTAGES- | 272 | | |
| FLYING TIME(HOURS) | STRONGLY
DISAGREE | DISAGREE | LNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL |
| 004-0 | 1.19 | 5,53 | 8 • • 6 | 66.17 | 18.63 | 100.00 |
| 401-880 | 1.23 | 5.02 | 7.25 | 68.23 | 18.28 | 100.00 |
| 801-1600 | 0.75 | 3,77 | 4.52 | 77.56 | 13.40 | 100.00 |
| 1601-3200 | 1,61 | 4.65 | 7.16 | 72.45 | 14.13 | 100.00 |
| 3200+ | 1.96 | 6.16 | 7.56 | 10.03 | 14.29 | 100.00 |
| TOTAL | 1.25 | 5.11 | 7.43 | 69.30 | 16.91 | 100.00 |

REACTIONS TO TRIAL PATMAS STATEMENTS
CATEGORIZED BY
CATRONGLY AGREE = FAVORABLE)

| GADC
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES- | GADC | _ | Ē |
|---|------|---|---|
|---|------|---|---|

. 1 v

| | STRONGLY | DISAGREE | UNCERTAIN | AGREE | STRONGLY | TOTAL | |
|---------------------|----------------------|--|---|-------|-------------------|--------|--|
| GADO | DISAGREE | | | | AGREE | | |
| FARMINGDALE | 0.83 | 3.44 | 7.16 | 70.78 | 17.79 | 100.00 | |
| TETERBORD | 1.89 | 8.13 | 7.67 | 17.99 | 15.60 | 100 00 | |
| TOTAL | 1.19 | 90.6 | 7.34 | 49.37 | 17.03 | 100.00 | |
| | REACTION | S TO TRIAL P | REACTIONS TO TRIAL PATMAS STATEMENTS | STA | | | |
| | TYPE OF PO | CATEGORIZ
WER PLANT MO
ONGLY AGREE | CATEGORIZED BY TYPE OF POWER PLANT MOST FREQUENTLY FLOWN (STRONGLY AGREE = FAVORABLE) | FLOWN | | | |
| | | - Can a can a can | 1000 | | | | |
| TYPE OF POWER PLANT | STRONGLY
DISAGREE | DISAGREE | LNCERTAIN | AGREE | STRONGLY
AGREE | TOTAL | |
| PISTON | 1.28 | 90.6 | 7.48 | 69.14 | 17.04 | 100.00 | |
| TURBO | 1.16 | 5.81 | 2.33 | 75.58 | 15,12 | 100.00 | |
| JET | • | 7.41 | 10.19 | 07.59 | 14.81 | 100.00 | |
| TOTAL | 1.25 | 5.13 | 7.45 | 69.22 | 16.96 | 100.00 | |
| | | | | | | | |

REACTIONS TO TRIAL PATHAS STATEMENTS
CATGORIZED BY
DIFFERENT COUNTIES OF RESIDENCE
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES

| RESIDENCE | STRONGLY | DISAGREE | LNCERTAIN | AGREE | STRONGLY | TOTAL |
|-----------|----------|----------|-----------|-------|----------|--------|
| | 0.30 | 1,78 | 7.72 | 71.51 | 18.69 | 100.00 |
| | 2.73 | 7.27 | 60.6 | 54.95 | 26.36 | 100.00 |
| | 0.70 | 3.04 | 9.37 | 69.11 | 17.72 | 100.00 |
| | 0.45 | 6.82 | 5.91 | 63.18 | 23.64 | 100.00 |
| | 1.54 | 3,08 | 6.92 | 71.69 | 16.77 | 100.00 |
| | 3.64 | 7,27 | 7.27 | 61.82 | 20.00 | 100.00 |
| | | ó | .0 | | • | |
| | 3.64 | 7.27 | 7.27 | 60.69 | 12.73 | 100.00 |
| | 1.79 | 8,96 | 7.37 | 69,72 | 12,15 | 100.00 |
| | 5.06 | 5,15 | 61.9 | 80.41 | 6.19 | 100.00 |
| | 0.61 | 90.9 | 7.27 | 78.79 | 7.27 | 100.00 |
| | 2.31 | 3,85 | 5.38 | 61.54 | 26.92 | 100.00 |
| | 4.93 | 9.15 | 9.15 | 57.75 | 19.01 | 100.00 |
| | 0.26 | 4.11 | 4.63 | 75.32 | 15.68 | 100 00 |
| | | 0 | 2.27 | 60.65 | 38.64 | 100.00 |
| | 0.21 | 2,73 | 6.43 | 69.81 | 17.82 | 100.00 |
| | 0. | 0 | .0 | 0 | å | ò |
| | 2.27 | 1.14 | 6.82 | 77.27 | 12.50 | 100 00 |
| | 4.55 | .0 | 22.73 | 54.55 | 18.18 | 100.00 |
| | • | 67.9 | • | 71.43 | 22.08 | 100 00 |
| | 0.08 | 11,06 | 49.9 | 66.37 | 15.04 | 100 00 |
| | 0.83 | 5.79 | 4.96 | 62.29 | 23.14 | 100.00 |
| | | 60.6 | 3.03 | 87.88 | • | 100.00 |
| | | 15.63 | 25.00 | 50.00 | 9.38 | 100.00 |
| | | 90.9 | 90.9 | 57.58 | 30.30 | 100.00 |
| | 3.03 | 0 | 15.15 | 66.67 | 15,15 | 100.00 |
| | 1.20 | 5.05 | 7.35 | 40 33 | 17 00 | 100 |

REACTIONS TO TRIAL PATMAS STATEMENTS
CATEGORIZED BY
DIFFRENT ANNAL FLVING TIME
(STRONGLY AGREE = FAVORABLE)
-PERCENTAGES-

| Y TOTAL | 100.00 | | | | | | 100.00 | T07.8L | | 100.00 | 100.00 | | 100.00 | 100.00 | 100.00 | 100.00 | |
|---------------------------------------|--------|-------|--------|---------|---------|-------|--------|--|-------|--------|--------|--------|---------|---------|--------|--------|-------|
| STRONGLY | 16,71 | 14.05 | 19.54 | 37 41 | 23.82 | 17 87 | 16.91 | STRONGLY | AGREE | 17.73 | 14.75 | | 2 | 15.27 | 18.18 | 60.6 | |
| AGREE | 70.88 | 73.45 | 65.77 | 69.80 | 70.49 | 71.01 | 69.30 | A GREE | | 68.21 | 72.92 | 04.69 | | 0, • 1 | 68.18 | 80.00 | |
| CNCERTAIN | 8.11 | 6.19 | 8.07 | 7.20 | 9.37 | 3.38 | 7.43 | CATEGEN BASIC PARMES LISTERING (STRONGLY AGREE = FAVORABLE) -PERCENTAGES- GLY DISAGREE LNCERTAIN | | 7.55 | 7.37 | 6.62 | 11.4 | | • 0 | 10.01 | .,. |
| D D D D D D D D D D D D D D D D D D D | 4.06 | 06.4 | 5.51 | 66.4 | 4.92 | 6.28 | 5.11 | ACENT BASIC PATRAS ONGLY AGREE # FAV PERCENTAGES- DISAGREE LNC | | 5.34 | 3.89 | 6.25 | 4.58 | | 13.64 | • 0 | 11.5 |
| DISAGREE | 0.24 | 1.42 | 1.11 | 1,55 | 1,41 | 1.45 | 1.25 | STACKE
SACKE
SACKE | | 7:10 | 1.07 | 2.57 | 2.29 | • | ; | | 1.25 |
| NUMBER OF TIMES | 02-0 | 21-50 | 21-100 | 101-200 | 201-400 | +00+ | TOTAL | NUMBER OF TIMES | 020 | 2.750 | | 51-100 | 101-200 | 201-400 | | • 00, | TOTAL |

REACTIONS TO TRIAL PATMAS STATEMENTS
CATGORIZED BY
DIFFERENT TRIAL PATMAS LISTENING
(STRONGLY AGRE = FAUGRABLE)
-PERCENTAGES-

| ŀ | | | | | | |
|-----------------|------------|--------|--------|--------|--------|--------|
| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STRONGLY | 15.42 | 15,37 | 16.79 | 17.91 | 18,62 | 16.91 |
| AGREE | 70.23 | 72.99 | 68.57 | 98.89 | 66.82 | 69.30 |
| LNCERTAIN | 9.05 | 5.82 | 7.23 | 7.76 | 7.11 | 7.43 |
| DISAGREE | 3.80 | 66.4 | 6.16 | 4.68 | 5.64 | 5,11 |
| STRONGLY | 1.54 | 0.83 | 1.25 | 0.80 | 1.01 | 1.25 |
| NUMBER OF TIMES | 6-0 | 6-10 | 11-20 | 21-40 | +0+ | TOTAL |

II-31

JOINT REACTIONS OF ALL RESPONDENTS

| | TOVIDED | STRONG
AGREI
11 - 11
0 - 46
1 - 39
1 - 35
1 - 2 - 2 |
|---------------|----------------------------------|--|
| | TION IS PA | AGREE
1.85
9.09
2.78
5.71
6.30 |
| S | TOO MUCH INFORMATION IS PROVIDED | UNCERTAIN
9.26
3.35
16.67
5.71
6.78 |
| -PERCENTAGES- | 700 | D1SAGREE
20.37
70.33
54.17
58.57
58.35
58.35
FL RESPONDENT |
| -PERCENT | | STRONCLY DISAGREE USSAGREE USSAGREE USSAGREE ST.41 20.33 25.00 58.37 50.00 38.57 50.00 38.55 50.00 56.35 50.30 58.35 C.39 58.35 C.39 58.35 C.39 C.39 58.35 C.39 C.39 C.39 C.39 C.39 C.39 C.39 C.39 |
| | | LN ID |
| | | NOT ENDUCH INFORMATION IS PROVIDED STRONGLY DISAGREE UNGERAIN AGREE STRONGLY AGREE TOTAL |
| | | ENDUGH |
| | | C |

1000.00

STRONGLY AGREE 11.11 0.48 1.39 0.12.50 2.18

TOTAL

| 9N0 1 00 | AGREE | 122.50
90.00
90.00 |
|-------------------------|--------------------------|--|
| THE MESSAGE IS TOO LONG | UNCERTAIN | 8 |
| THE | DISAGREE | 5.56
78.68
38.71
81.48
25.00
65.19
LL RESPONDENT |
| | STRONGLY | 63.89 5.56 2.21 4.84 38.71 11.11 81.48 50.00 25.00 9.63 65.19 JOINT REACTIONS OF ALL RESPONDENTS |
| III | THE MESSAGE IS TOO SHORT | DISAGRE UNCETAIN AGREE STRONGLY AGREE TOTAL |

100.30

13.89 0.37 1.61 0.37 12.50

STRONGLY

| | T074L | 000000000000000000000000000000000000000 | 100.00 |
|---------------------------|--|---|--------|
| 5 | STRONGLY | 6666 | 06 |
| ED TOD SLOW | AGREE | 2.08
7.08
7.02
7.02 | 2.9. |
| SPEAKER TALKED TOO SLOWLY | UNCERTAIN | 57.43
64.38 | 8.50 |
| THE | CISAGREE | 92.36
31.11
76.09
0. | 76.70 |
| | STRONGLY
DISAGREE | 8.81
10.87 | 11.89 |
| | TALKED TOO FAST
Strongly disagree
disagree | UNCERTAIN
AGREE
STRONGLY AGREE | |

THE SPEAKER